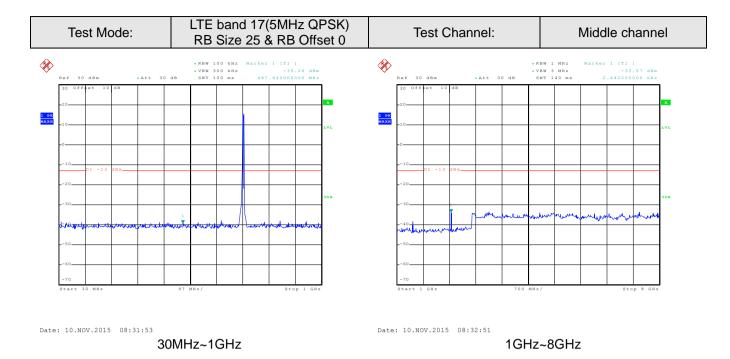
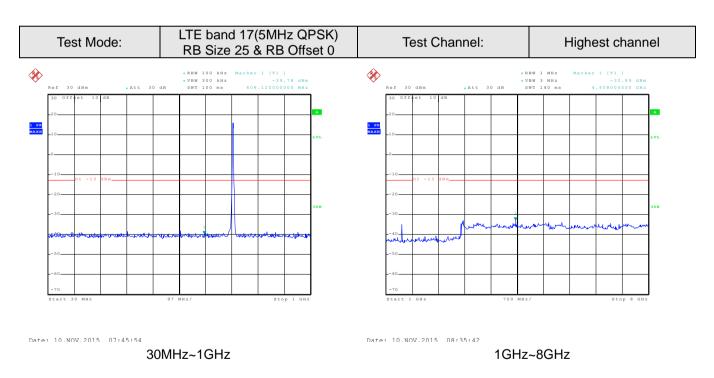


30MHz~1GHz 1GHz~8GHz





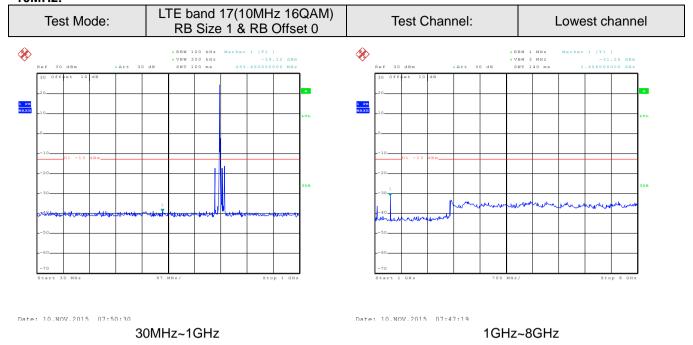


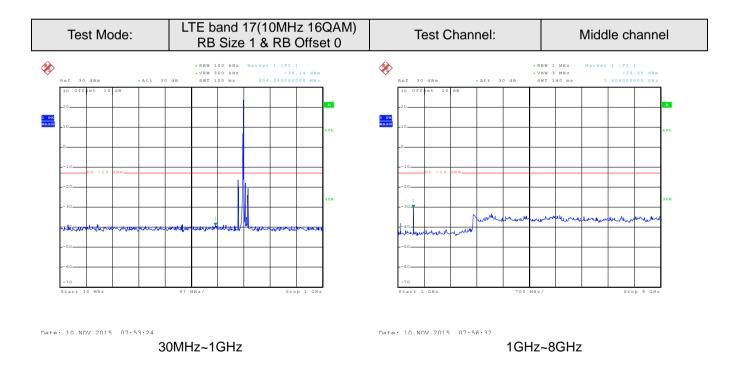






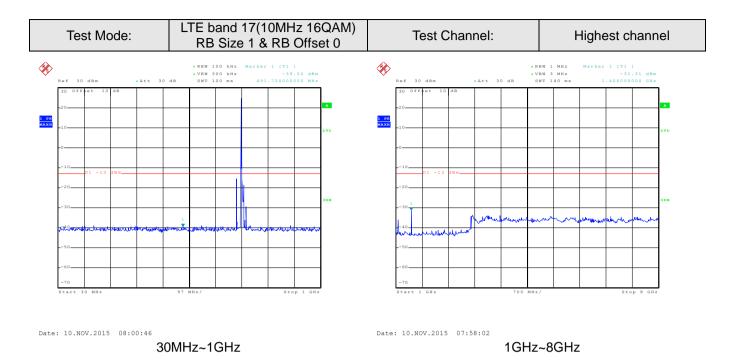
10MHz:

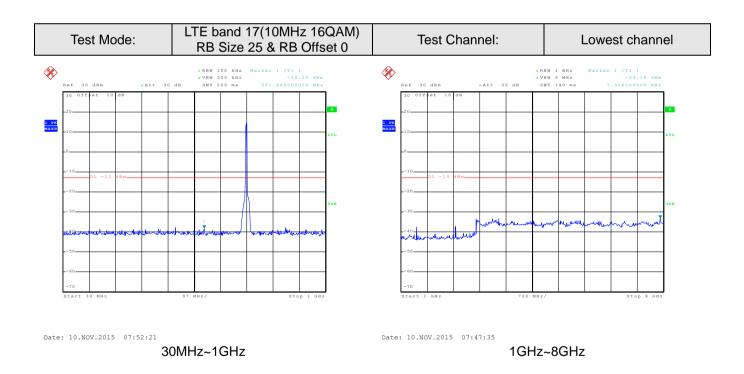






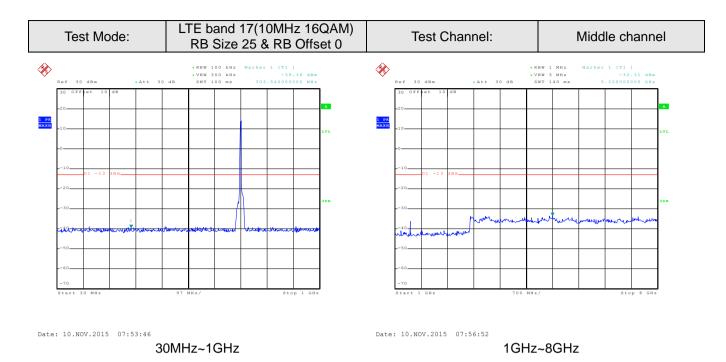


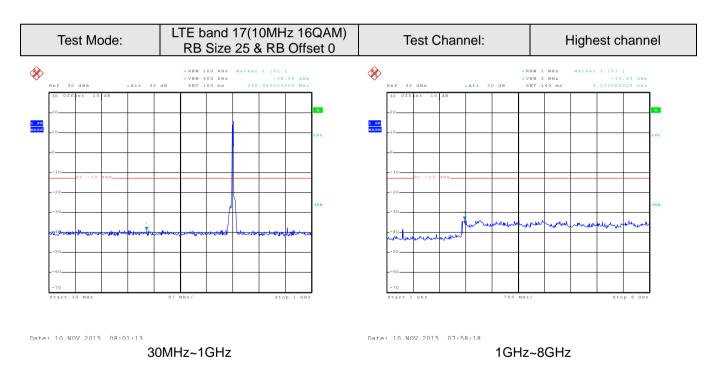






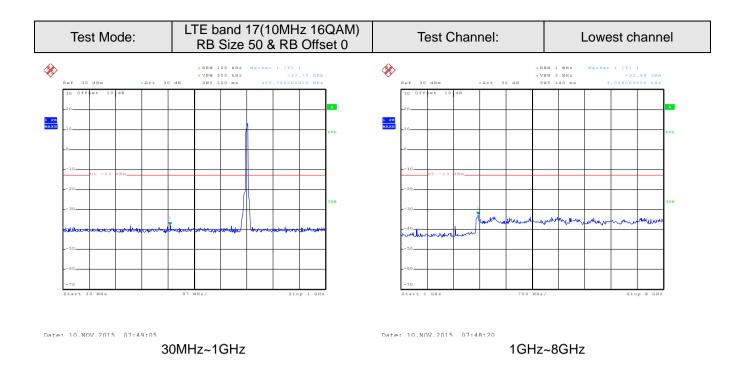


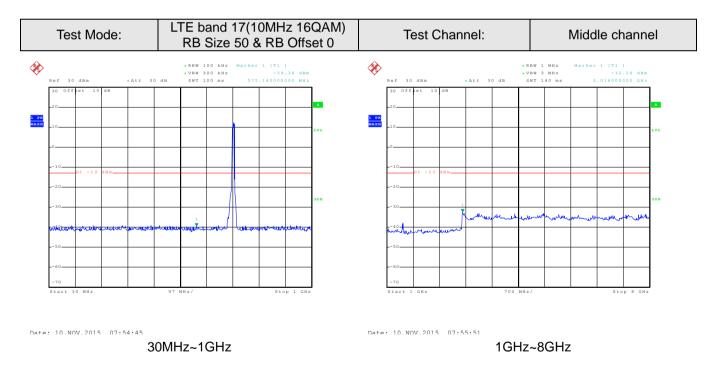






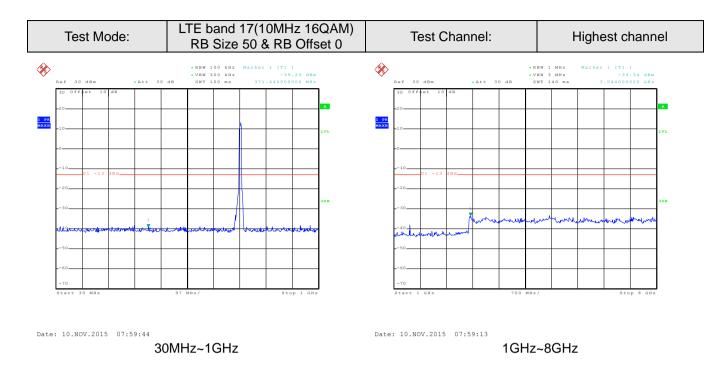


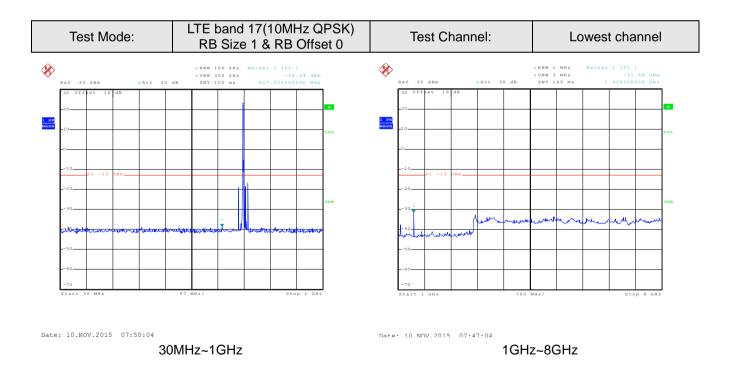






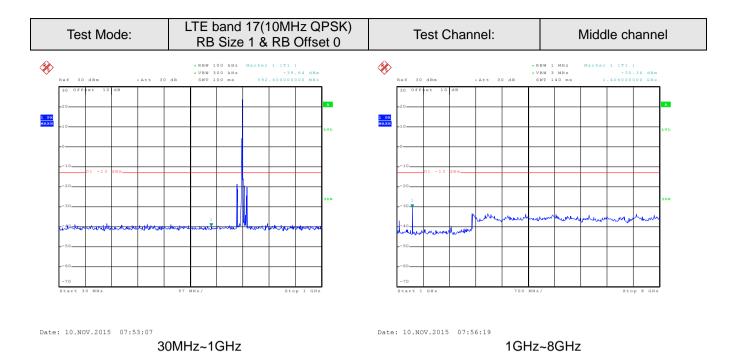


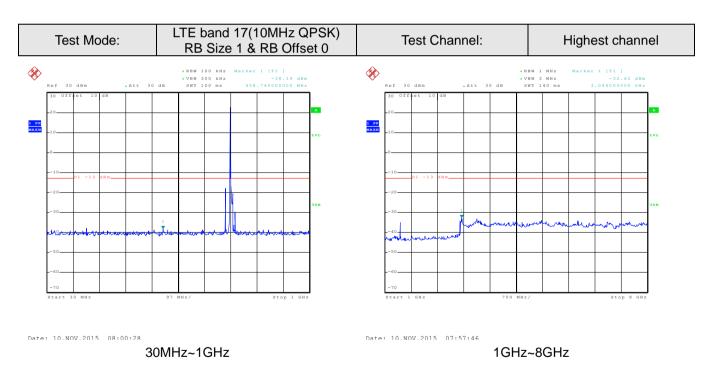






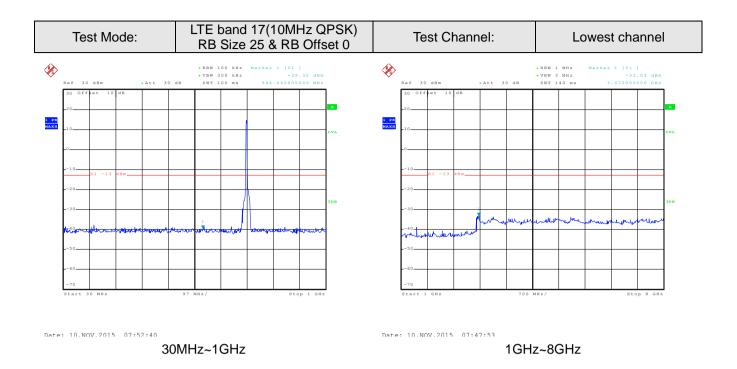


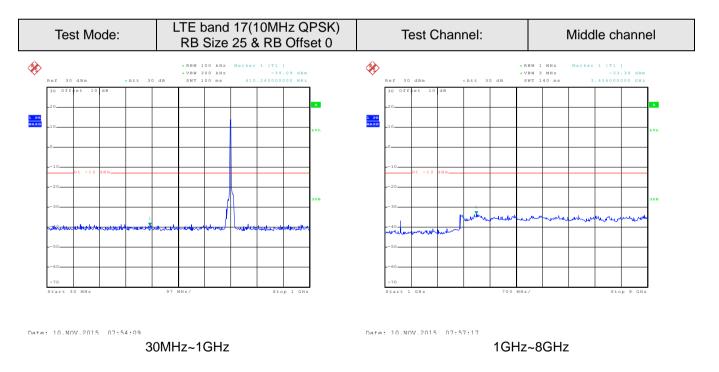






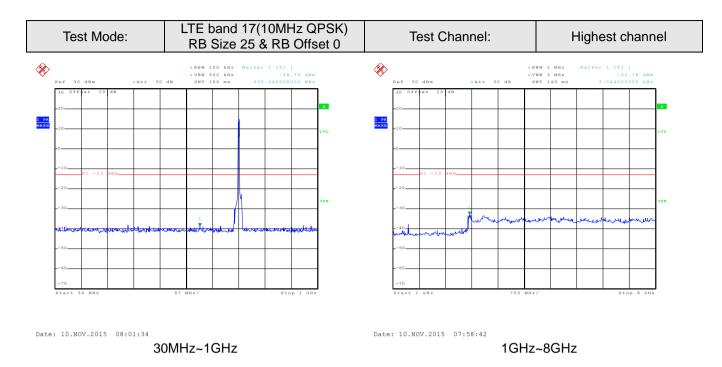


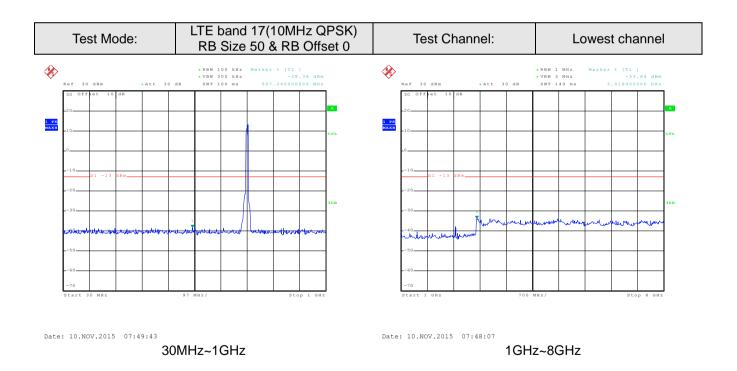






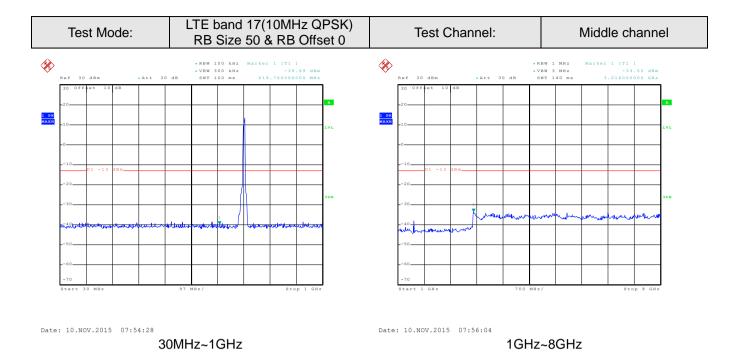


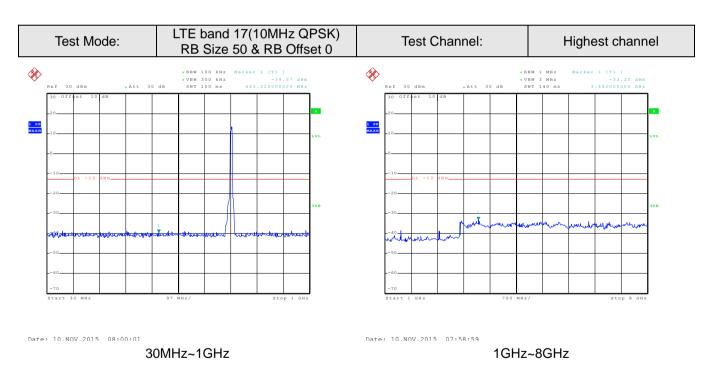














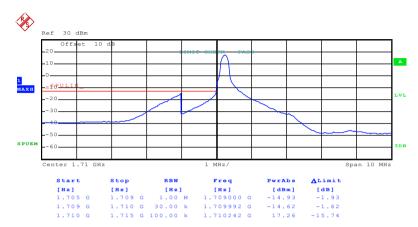


# Band edge emission:

# LTE band 4 part:

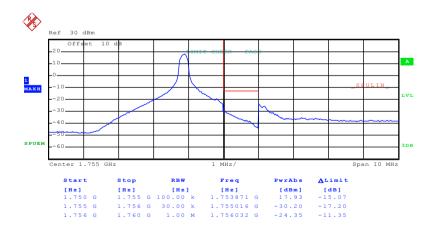
# 1.4MHz:

Test Mode:	LTE band 4(QPSK RB Size 1 & RB Offset 0)
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Date: 11.NOV.2015 01:49:39

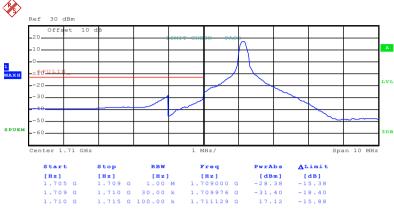
### Lowest channel



Date: 11.NOV.2015 01:54:52

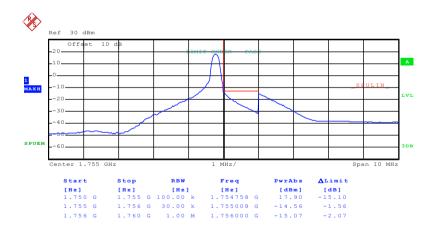






Date: 11.NOV.2015 01:51:33

## Lowest channel

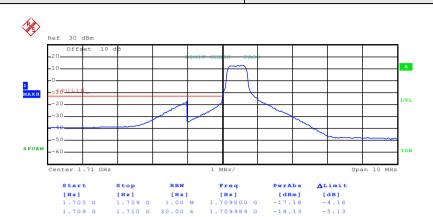


Date: 11.NOV.2015 01:56:44

Highest channel

LTE band 4(QPSK RB Size 3 & RB Offset 0)

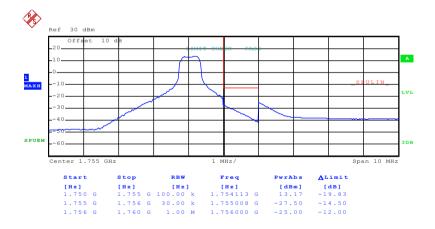




Date: 11.NOV.2015 01:51:54

Test Mode:

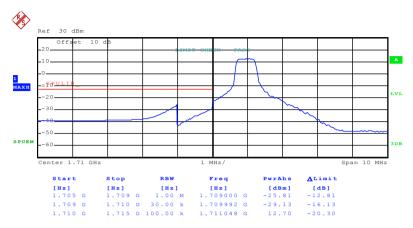
## Lowest channel



Date: 11.NOV.2015 01:57:03

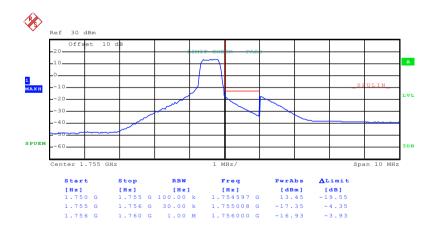






Date: 11.NOV.2015 01:52:53

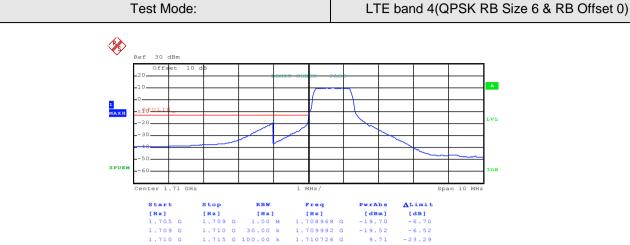
## Lowest channel



Date: 11.NOV.2015 01:57:53

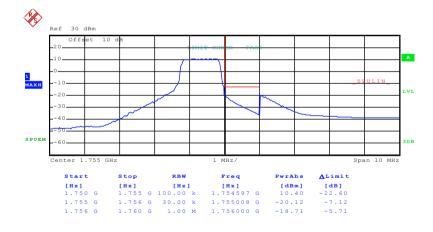
Highest channel





Date: 11.NOV.2015 01:53:29

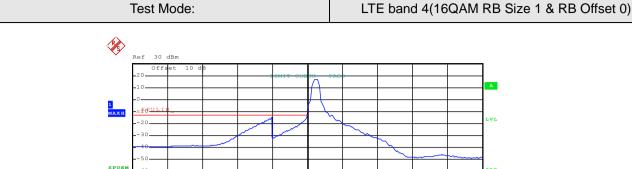
### Lowest channel



Date: 11.NOV.2015 01:58:08

Highest channel





Start Stop RBW Freq PwrAbs Alimit

[Hz] [Hz] [Hz] [Hz] [Hz] [dB]

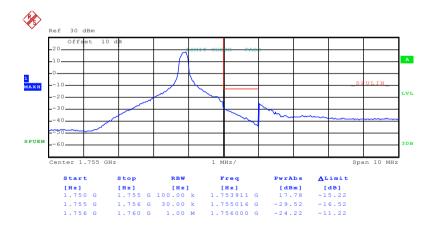
1.705 G 1.709 G 1.00 M 1.709000 G -14.90 -1.90

1.710 G 1.715 G 100.00 k 1.709902 G -14.56 -1.56

1.710 G 1.715 G 100.00 k 1.710242 G 17.05 -15.95

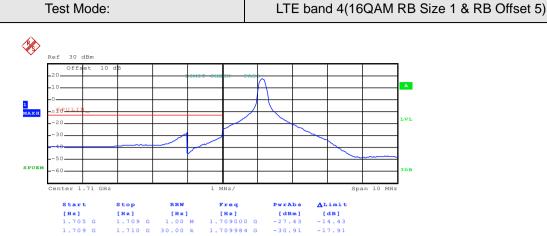
Date: 11.NOV.2015 01:50:58

## Lowest channel



Date: 11.NOV.2015 01:55:13

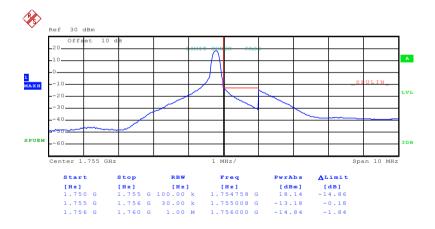




Date: 11.NOV.2015 01:51:17

Test Mode:

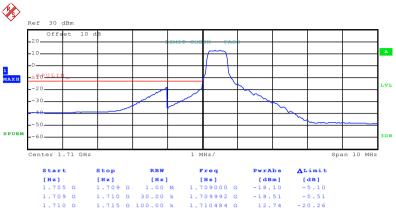
## Lowest channel



Date: 11.NOV.2015 01:56:28

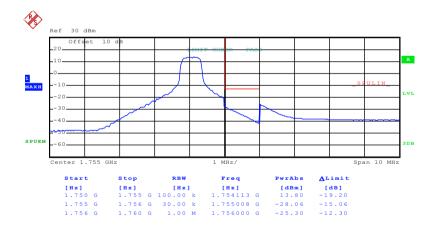






Date: 11.NOV.2015 01:52:21

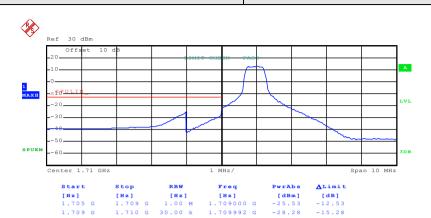
## Lowest channel



Date: 11.NOV.2015 01:57:22

LTE band 4(16QAM RB Size 3 & RB Offset 2)

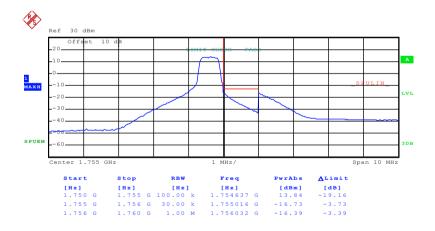




Date: 11.NOV.2015 01:52:37

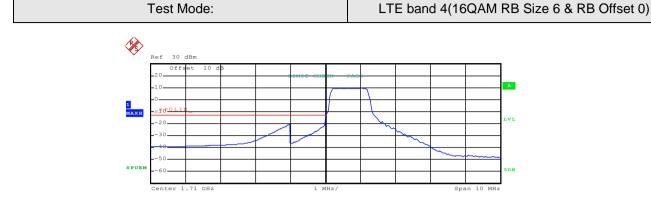
Test Mode:

## Lowest channel



Date: 11.NOV.2015 01:57:38



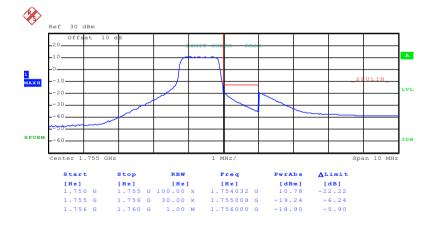


Date: 11.NOV.2015 01:53:42

### Lowest channel

**∆Limit**[dB]
-7.35
-7.17

[dBm] -20.35 -20.17



Date: 11.NOV.2015 01:58:21

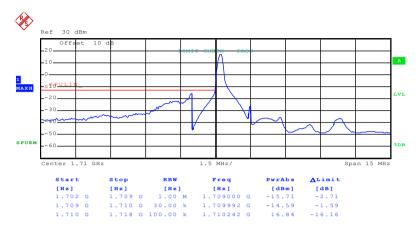
Highest channel





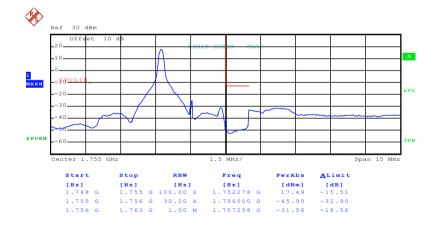
## 3MHz:





Date: 11.NOV.2015 02:01:15

### Lowest channel

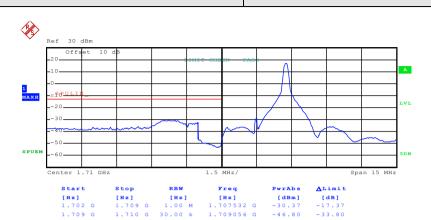


Date: 11.NOV.2015 02:06:11

Highest channel

LTE band 4(QPSK RB Size 1 & RB Offset 14)

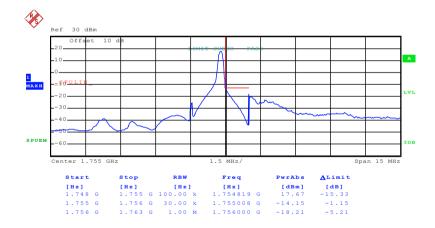




Date: 11.NOV.2015 02:02:10

Test Mode:

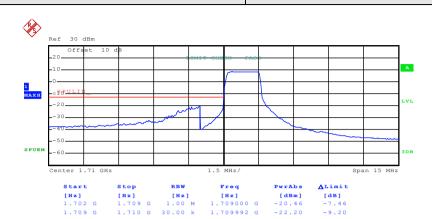
## Lowest channel



Date: 11.NOV.2015 02:07:54

LTE band 4(QPSK RB Size 8 & RB Offset 0)

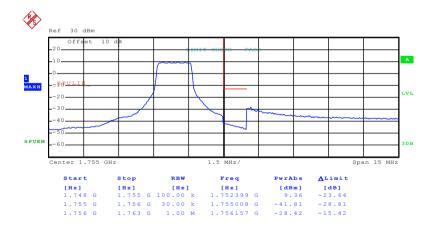




Date: 11.NOV.2015 02:03:01

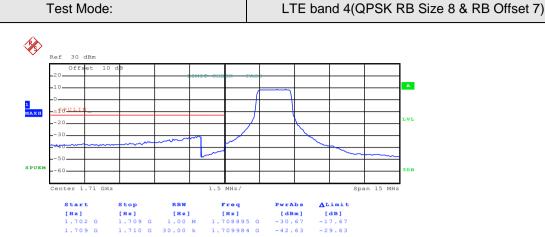
Test Mode:

## Lowest channel



Date: 11.NOV.2015 02:09:44

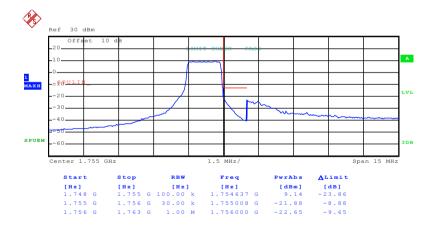




Date: 11.NOV.2015 02:03:44

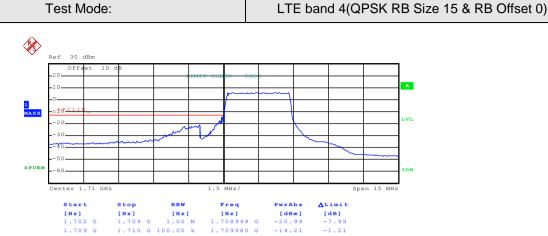
Test Mode:

## Lowest channel



Date: 11.NOV.2015 02:10:56

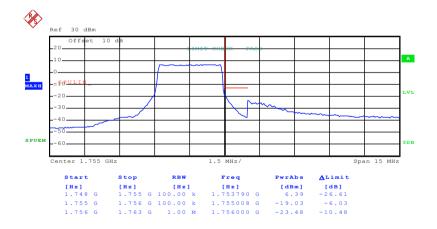




Date: 11.NOV.2015 02:04:14

Test Mode:

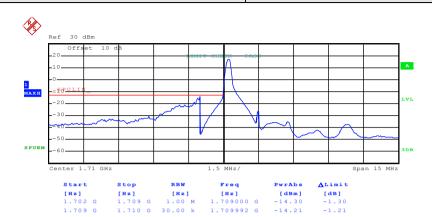
## Lowest channel



Date: 11.NOV.2015 02:11:33

LTE band 4(16QAM RB Size 1 & RB Offset 0)

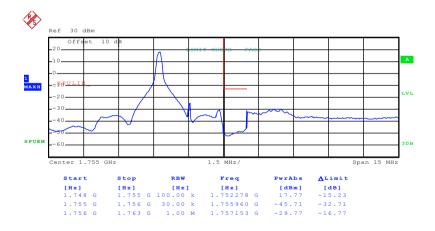




Date: 11.NOV.2015 02:01:36

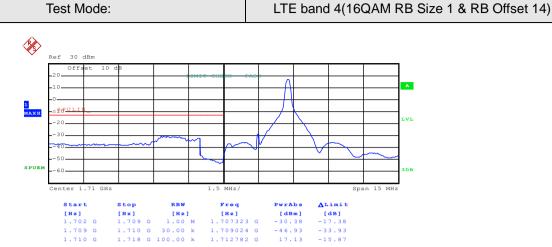
Test Mode:

## Lowest channel



Date: 11.NOV.2015 02:06:54

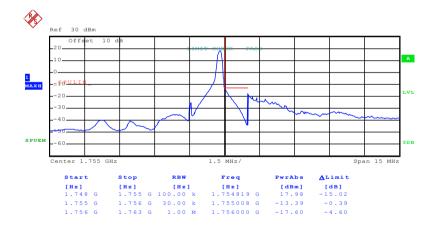




Date: 11.NOV.2015 02:01:56

Test Mode:

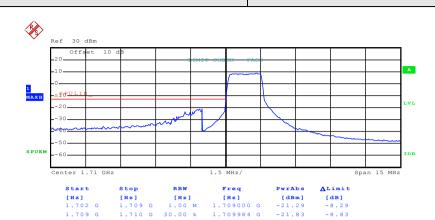
## Lowest channel



Date: 11.NOV.2015 02:07:41

LTE band 4(16QAM RB Size 8 & RB Offset 0)

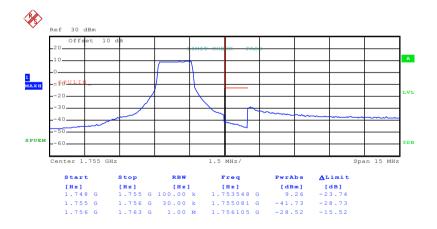




Date: 11.NOV.2015 02:03:16

Test Mode:

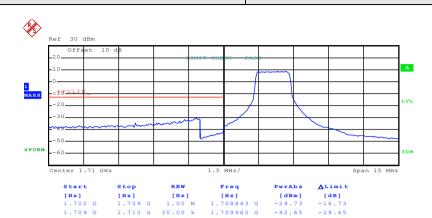
## Lowest channel



Date: 11.NOV.2015 02:10:26

LTE band 4(16QAM RB Size 8 & RB Offset 7)

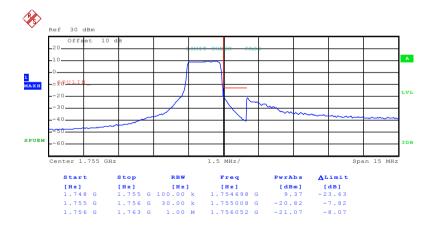




Date: 11.NOV.2015 02:03:29

Test Mode:

## Lowest channel

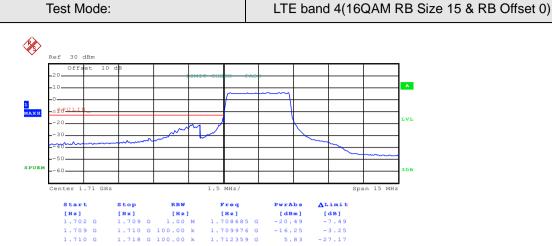


Date: 11.NOV.2015 02:10:40

Highest channel

Page 175 of 315

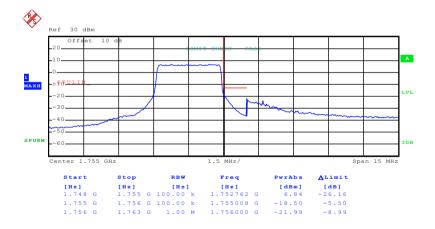




Date: 11.NOV.2015 02:04:25

Test Mode:

## Lowest channel



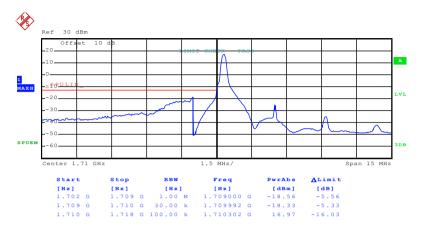
Date: 11.NOV.2015 02:11:47





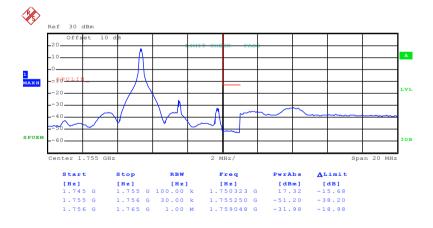
# 5MHz:

Test Mode: LTE band 4(QPSK RB Size 1 & RB Offset 0)
---



Date: 11.NOV.2015 02:13:07

### Lowest channel

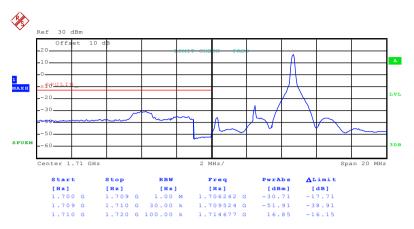


Date: 11.NOV.2015 02:18:05

Highest channel

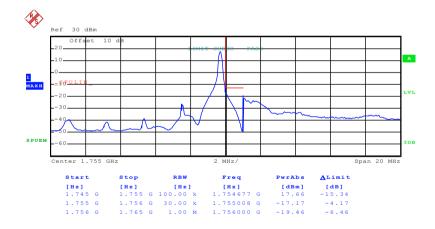






Date: 11.NOV.2015 02:14:45

# Lowest channel

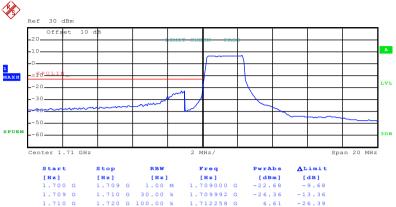


Date: 11.NOV.2015 02:18:48

Highest channel

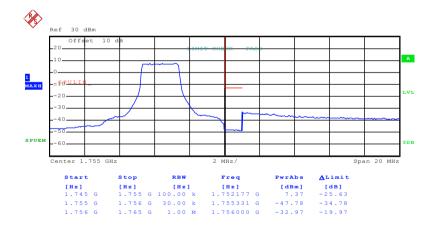






Date: 11.NOV.2015 02:15:06

# Lowest channel

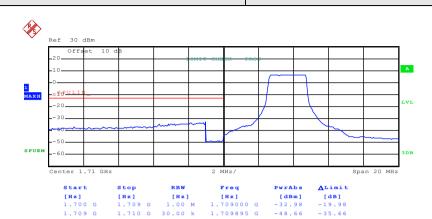


Date: 11.NOV.2015 02:19:31

Highest channel

LTE band 4(QPSK RB Size 12 & RB Offset 11)

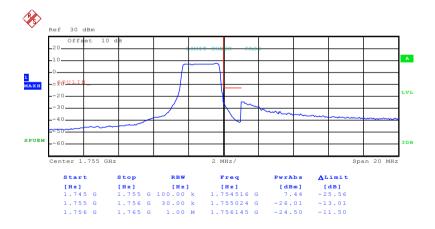




Date: 11.NOV.2015 02:16:04

Test Mode:

# Lowest channel

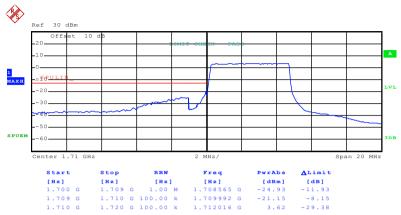


Date: 11.NOV.2015 02:22:42

Highest channel

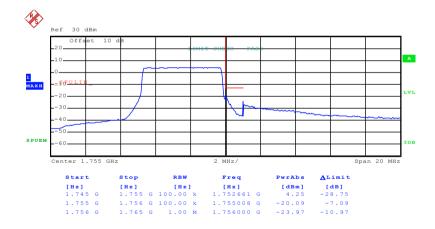






Date: 11.NOV.2015 02:16:49

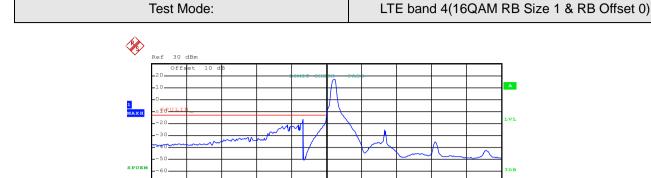
# Lowest channel



Date: 11.NOV.2015 02:23:10

Highest channel



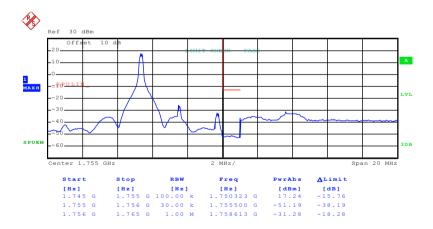


Date: 11.NOV.2015 02:13:22

### Lowest channel

**∆Limit**[dB]
-3.63
-5.19

[dBm] -16.63 -18.19

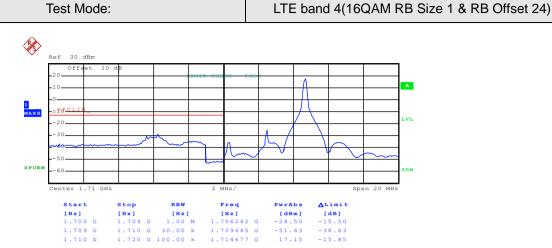


Date: 11.NOV.2015 02:18:21

Highest channel

Page 182 of 315

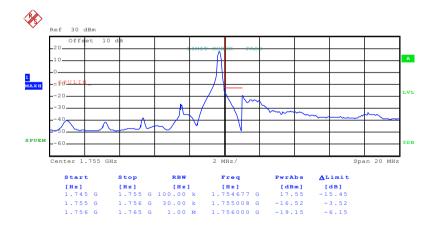




Date: 11.NOV.2015 02:14:32

Test Mode:

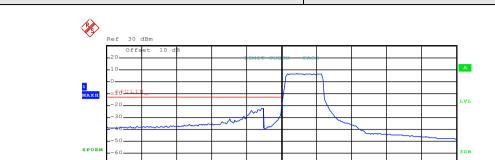
# Lowest channel



Date: 11.NOV.2015 02:18:35

LTE band 4(16QAM RB Size 12 & RB Offset 0)





 Start
 Stop
 RBW
 Freq
 PwrAbs
 ALimit

 [Hz]
 [Hz]
 [Hz]
 [dBm]
 [dB]

 1.700 G
 1.709 G
 1.00 M
 1.708855 G
 -22.21 -9.21
 -9.21

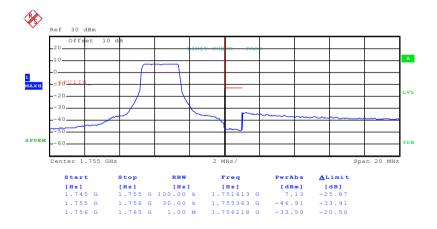
 1.709 G
 1.710 G
 30.00 k
 1.709952 G
 -26.66 -13.66
 -13.66

 1.710 G
 1.720 G
 10.00 k
 1.710887 G
 6.65 -26.35

Date: 11.NOV.2015 02:15:28

Test Mode:

# Lowest channel



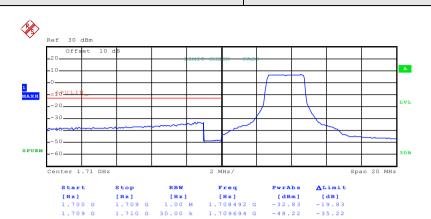
Date: 11.NOV.2015 02:19:43

Highest channel

Page 184 of 315

LTE band 4(16QAM RB Size 12 & RB Offset 11)

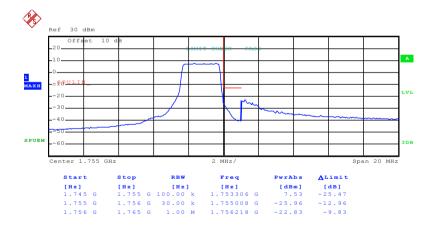




Date: 11.NOV.2015 02:15:44

Test Mode:

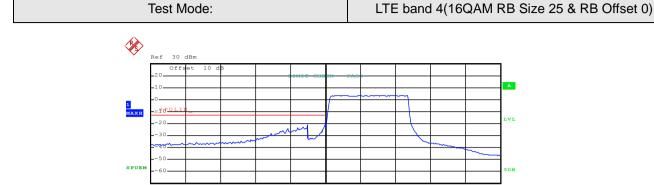
# Lowest channel



Date: 11.NOV.2015 02:19:57

Highest channel



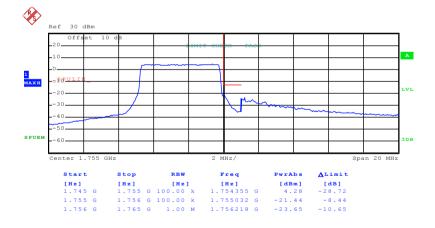


Date: 11.NOV.2015 02:17:02

### Lowest channel

**∆Limit**[dB]
-8.34
-8.46
-29.37

[dBm] -21.34 -21.46



Date: 11.NOV.2015 02:23:23

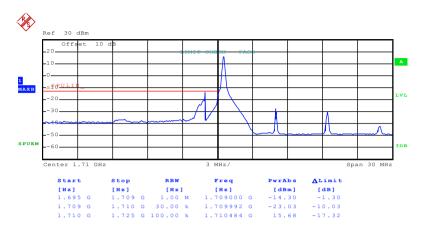
Highest channel





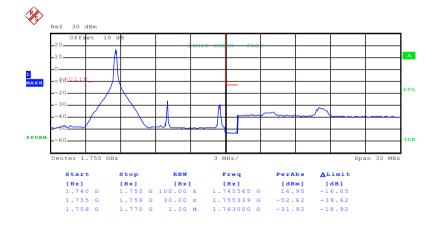
# 10MHz:

Test Mode:	LTE band 4(QPSK RB Size 1 & RB Offset 0)
	,



Date: 11.NOV.2015 02:26:29

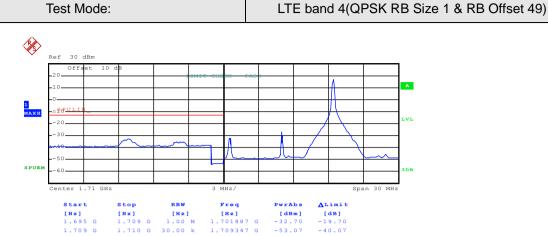
### Lowest channel



Date: 11.NOV.2015 02:30:08

Highest channel

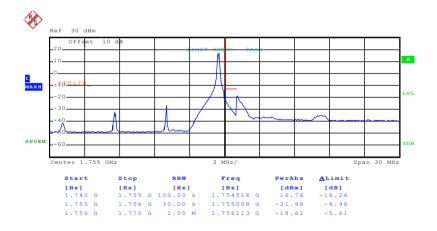




Date: 11.NOV.2015 02:27:21

Test Mode:

# Lowest channel

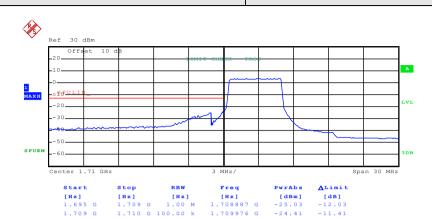


Date: 11.NOV.2015 02:30:55

Highest channel

LTE band 4(QPSK RB Size 25 & RB Offset 0)

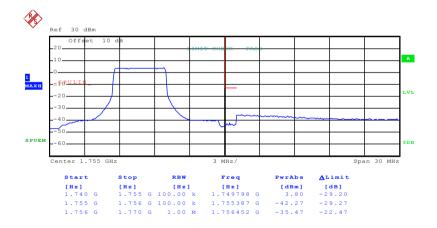




Date: 11.NOV.2015 02:27:54

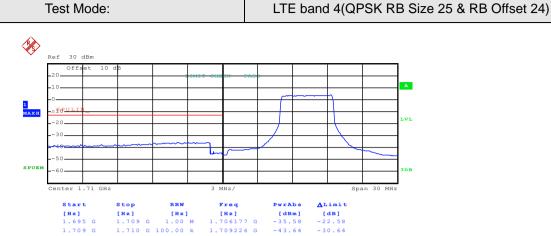
Test Mode:

# Lowest channel



Date: 11.NOV.2015 02:31:32

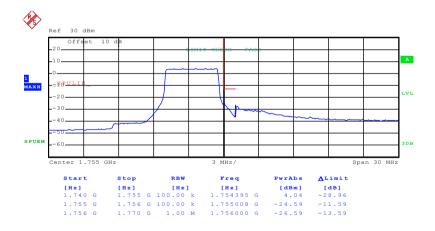




Date: 11.NOV.2015 02:28:38

Test Mode:

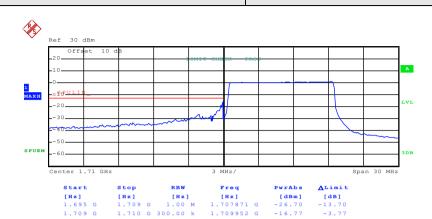
# Lowest channel



Date: 11.NOV.2015 02:32:19

LTE band 4(QPSK RB Size 50 & RB Offset 0)

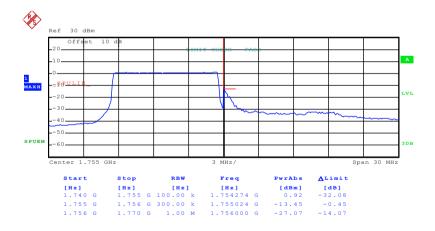




Date: 11.NOV.2015 02:29:07

Test Mode:

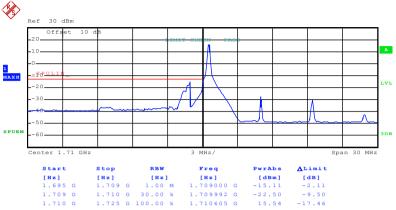
# Lowest channel



Date: 11.NOV.2015 02:32:52

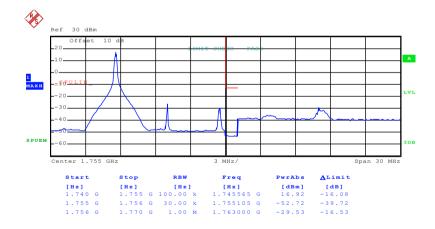






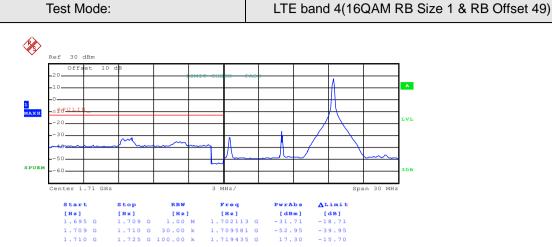
Date: 11.NOV.2015 02:26:51

# Lowest channel



Date: 11.NOV.2015 02:30:21

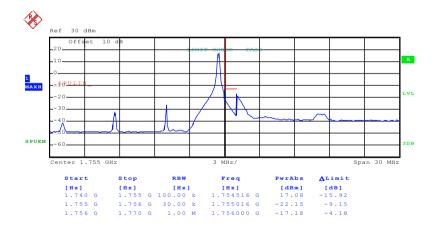




Date: 11.NOV.2015 02:27:07

Test Mode:

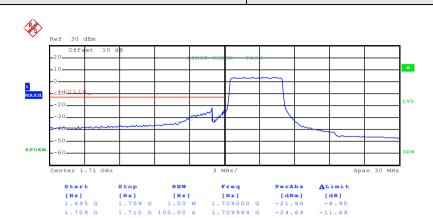
# Lowest channel



Date: 11.NOV.2015 02:30:42

LTE band 4(16QAM RB Size 25 & RB Offset 0)

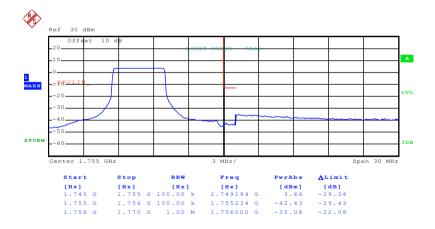




Date: 11.NOV.2015 02:28:07

Test Mode:

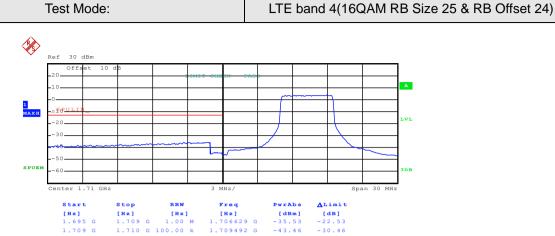
# Lowest channel



Date: 11.NOV.2015 02:31:47

Highest channel

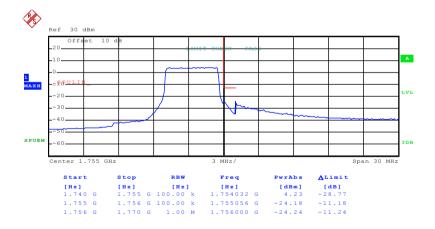




Date: 11.NOV.2015 02:28:20

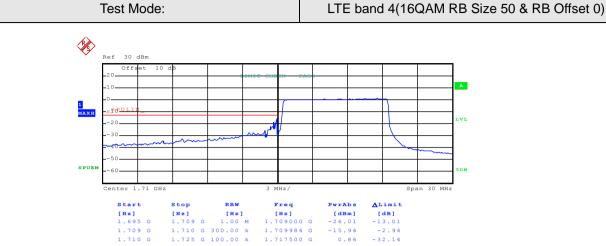
Test Mode:

# Lowest channel



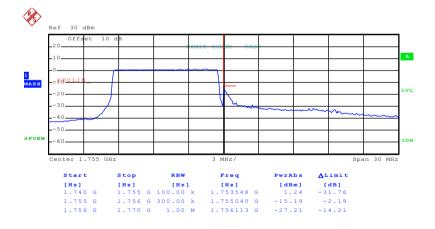
Date: 11.NOV.2015 02:32:04





Date: 11.NOV.2015 02:29:18

### Lowest channel



Date: 11.NOV.2015 02:33:06

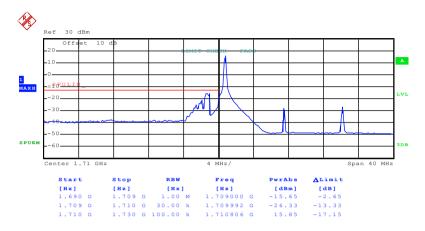
Highest channel





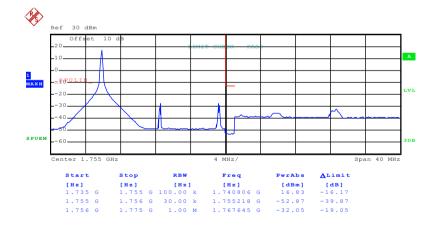
# 15MHz:

Test Mode:	LTE band 4(QPSK RB Size 1 & RB Offset 0)
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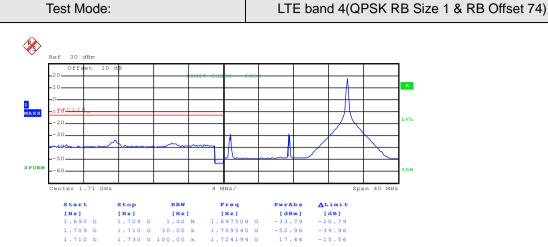
Date: 11.NOV.2015 02:43:36

### Lowest channel



Date: 11.NOV.2015 02:51:09

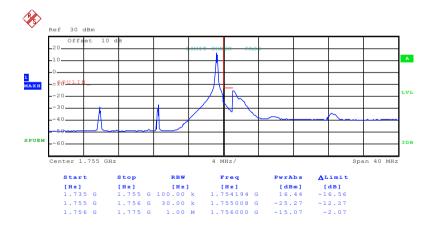




Date: 11.NOV.2015 02:44:51

Test Mode:

# Lowest channel

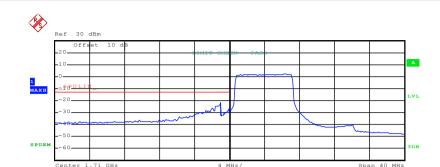


Date: 11.NOV.2015 02:52:02

Highest channel

LTE band 4(QPSK RB Size 36 & RB Offset 0)



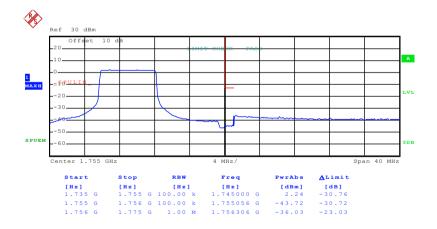


Date: 11.NOV.2015 02:47:12

Test Mode:

# Lowest channel

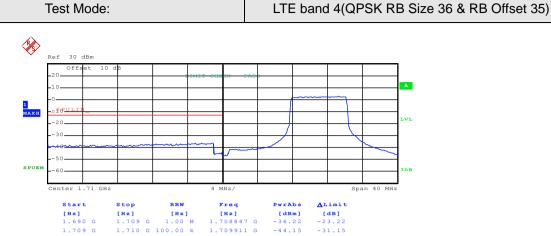
[dBm] -21.94 -26.87 [dB] -8.94 -13.87



Date: 11.NOV.2015 02:52:40

Highest channel

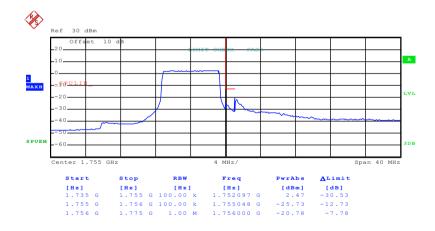




Date: 11.NOV.2015 02:49:18

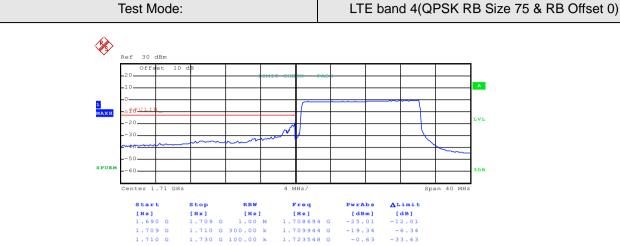
Test Mode:

# Lowest channel



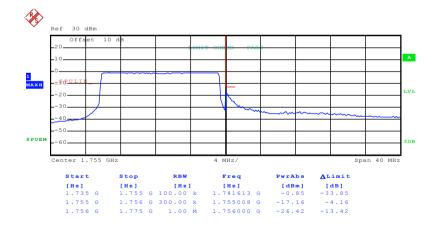
Date: 11.NOV.2015 02:54:25





Date: 11.NOV.2015 02:49:56

### Lowest channel

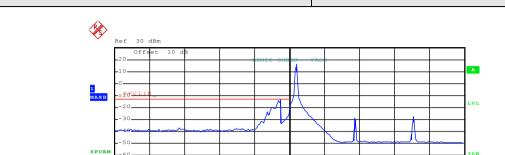


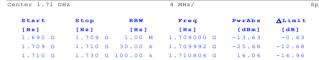
Date: 11.NOV.2015 02:54:52

Highest channel

LTE band 4(16QAM RB Size 1 & RB Offset 0)



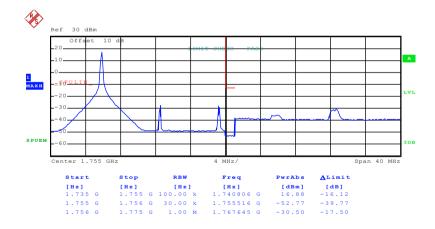




Date: 11.NOV.2015 02:44:16

Test Mode:

# Lowest channel



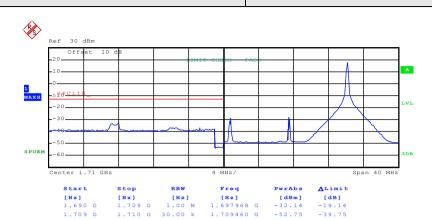
Date: 11.NOV.2015 02:51:28

Highest channel

Page 202 of 315

LTE band 4(16QAM RB Size 1 & RB Offset 74)

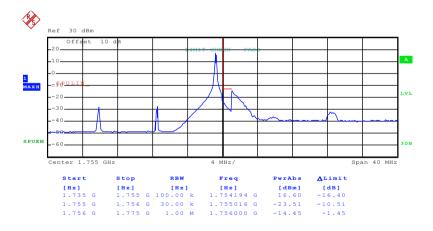




Date: 11.NOV.2015 02:44:37

Test Mode:

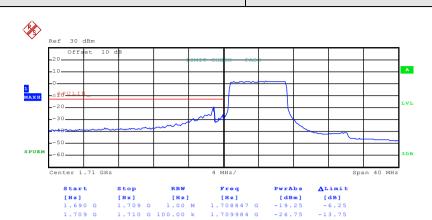
# Lowest channel



Date: 11.NOV.2015 02:51:44

LTE band 4(16QAM RB Size 36 & RB Offset 0)

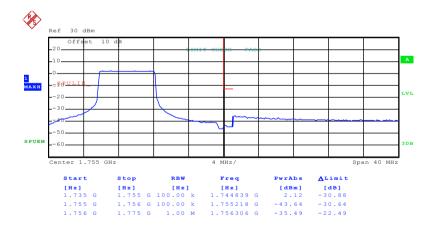




Date: 11.NOV.2015 02:47:40

Test Mode:

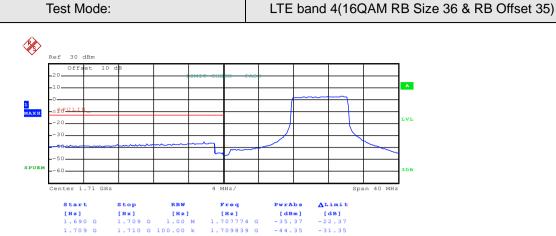
# Lowest channel



Date: 11.NOV.2015 02:53:01

Highest channel

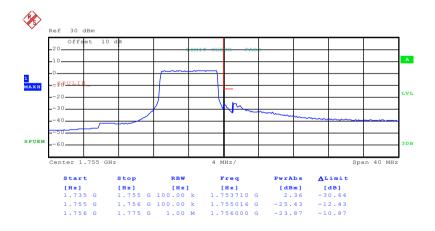




Date: 11.NOV.2015 02:48:57

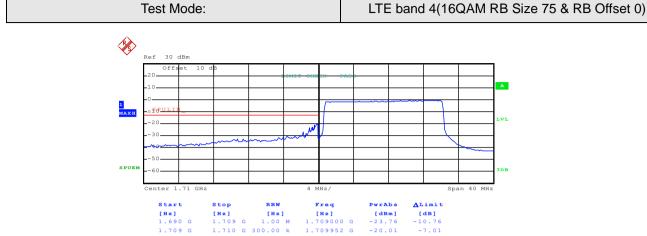
Test Mode:

# Lowest channel



Date: 11.NOV.2015 02:53:18

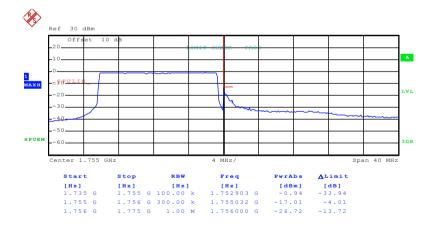




Date: 11.NOV.2015 02:50:10

### Lowest channel

[dBm] -23.76 -20.01 -0.56



Date: 11.NOV.2015 02:55:08

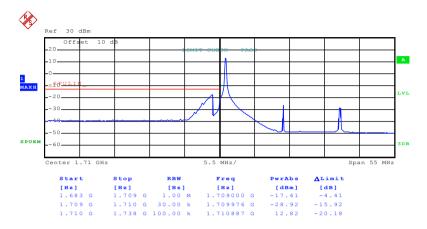
Highest channel





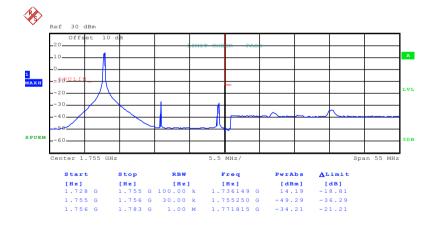
# 20MHz:

Test Mode: LTE band 4(QPSK RB Size 1 & RB Offset 0)	
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Date: 11.NOV.2015 02:57:30

### Lowest channel

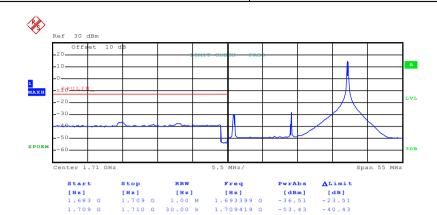


Date: 11.NOV.2015 03:35:31

Highest channel

LTE band 4(QPSK RB Size 1 & RB Offset 99)



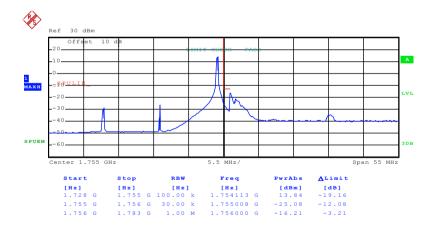


Date: 11.NOV.2015 02:58:36

Test Mode:

# Lowest channel

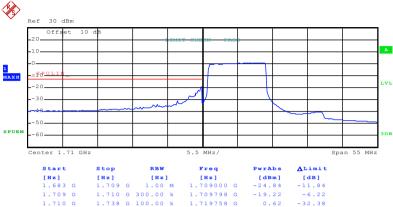
[dBm] -36.51 -53.43



Date: 11.NOV.2015 03:36:19

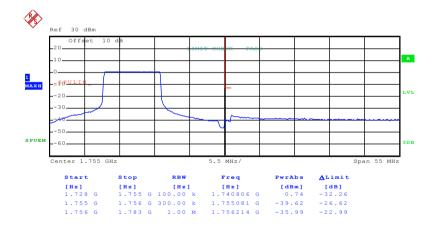






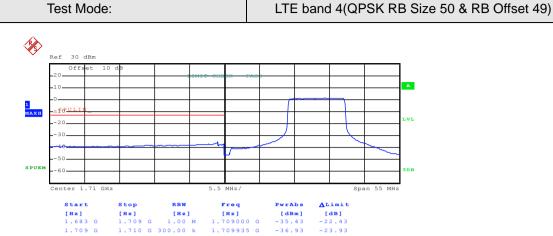
Date: 11.NOV.2015 02:59:35

# Lowest channel



Date: 11.NOV.2015 03:36:44

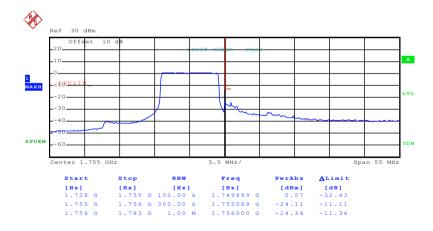




Date: 11.NOV.2015 03:01:51

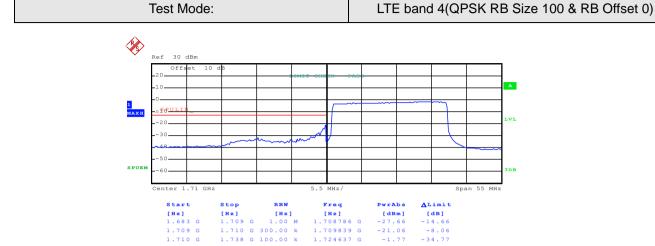
Test Mode:

# Lowest channel



Date: 11.NOV.2015 03:37:32

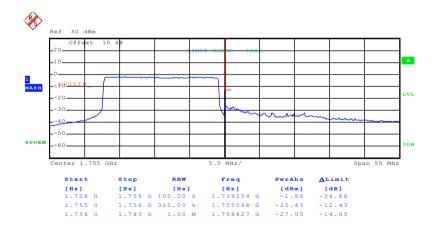




Date: 11.NOV.2015 03:02:06

### Lowest channel

[dBm] -27.66 -21.06 -1.77

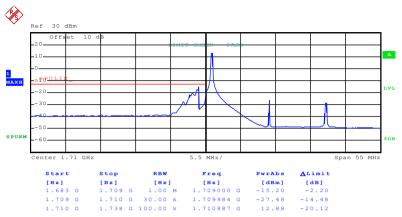


Date: 11.NOV.2015 03:38:39

Highest channel

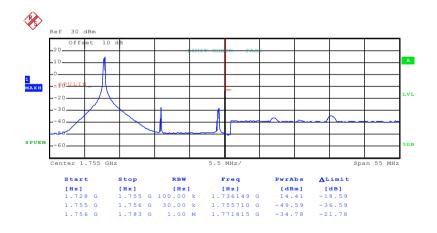






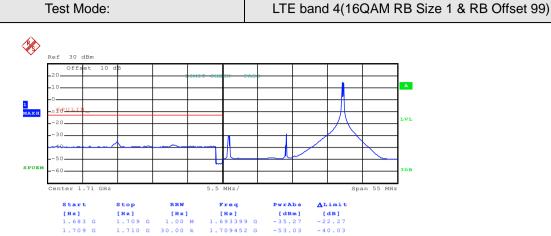
Date: 11.NOV.2015 02:58:00

# Lowest channel



Date: 11.NOV.2015 03:35:53

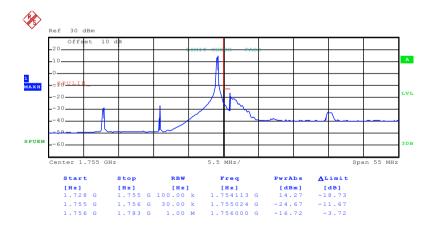




Date: 11.NOV.2015 02:58:20

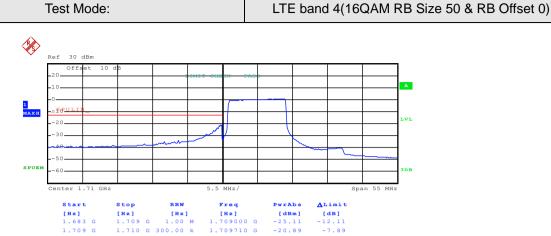
Test Mode:

### Lowest channel



Date: 11.NOV.2015 03:36:07

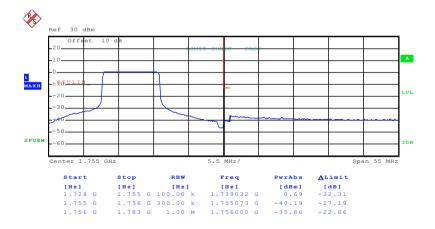




Date: 11.NOV.2015 02:59:53

Test Mode:

### Lowest channel

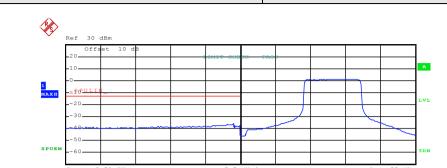


Date: 11.NOV.2015 03:36:59

Highest channel

LTE band 4(16QAM RB Size 50 & RB Offset 49)





 
 Start
 Stop [Hz]
 RBW [Hz]
 Freq [Hz]
 PwrAbs [dBm]
 ALimit [dBm]

 1.683 G
 1.709 G
 1.00 M
 1.709000 G
 -35.62
 -22.62

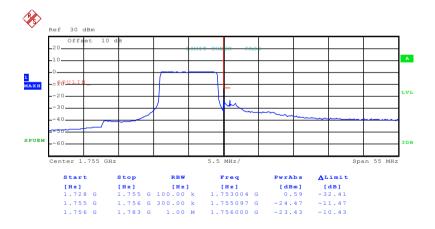
 1.709 G
 1.710 G
 300.00 k
 1.79984 G
 -37.31 G
 -24.31

 1.710 G
 1.738 G
 100.00 k
 1.726855 G
 1.21
 -31.79

Date: 11.NOV.2015 03:00:10

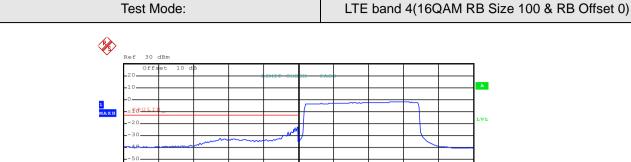
Test Mode:

### Lowest channel



Date: 11.NOV.2015 03:37:14





 Start
 Stop
 RBW
 Freq
 PwrAbs
 Alimit

 [Hz]
 (Hz)
 (Hz)
 (Hz)
 (dm)
 [db]

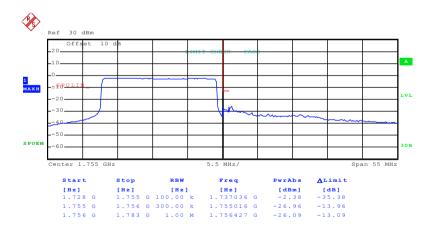
 1.683 G
 1.709 G
 1.00 M
 1.708786 G
 -26.89 -13.89
 -13.89

 1.709 G
 1.710 G
 300.00 k
 1.709774 G
 -22.79 -29.79
 -9.779

 1.710 G
 1.738 G
 100.00 k
 1.724415 G
 -1.92 -34.92

Date: 11.NOV.2015 03:02:18

#### Lowest channel



Date: 11.NOV.2015 03:38:52

Highest channel

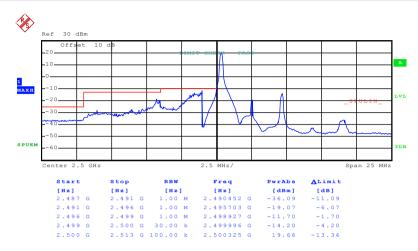




# LTE band 7 part:

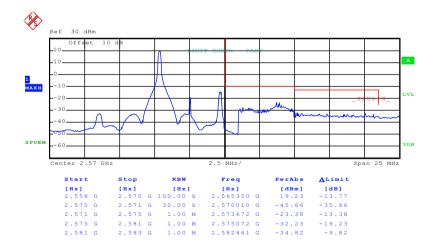
### 5MHz:

Test Mode: LT	E band 7(QPSK RB Size 1 & RB Offset 0)
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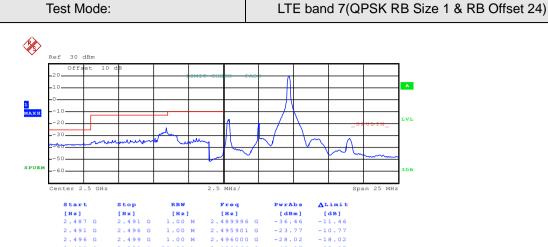
Date: 10.NOV.2015 11:32:27

## Lowest channel



Date: 10.NOV.2015 11:47:25



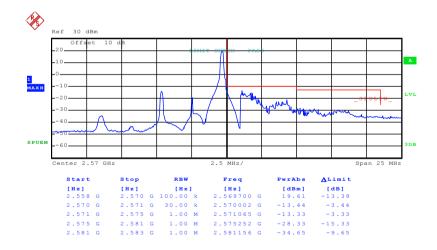


Date: 10.NOV.2015 11:33:40

Test Mode:

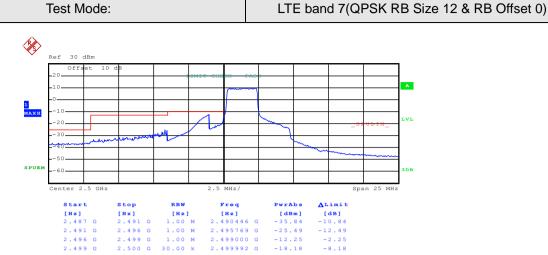
### Lowest channel

-13.56



Date: 10.NOV.2015 11:49:09

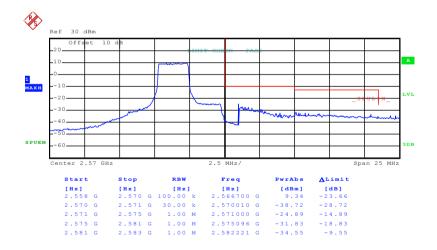




Date: 10.NOV.2015 11:43:02

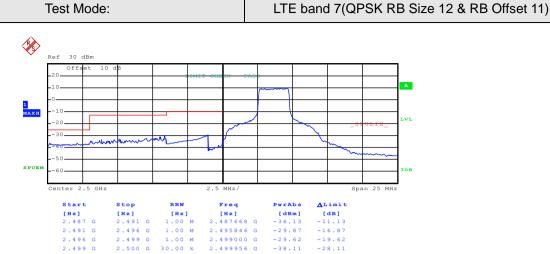
Test Mode:

### Lowest channel



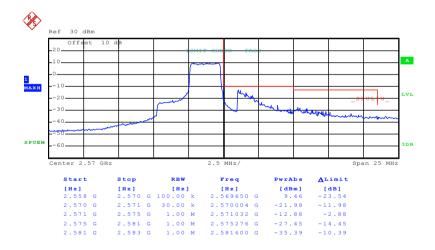
Date: 10.NOV.2015 11:49:43





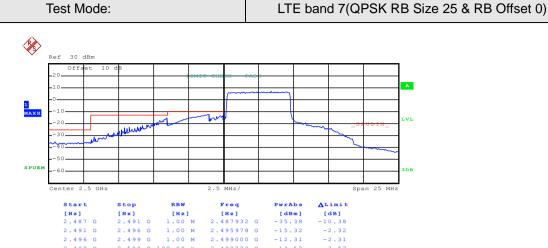
Date: 10.NOV.2015 11:44:04

### Lowest channel



Date: 10.NOV.2015 11:50:27

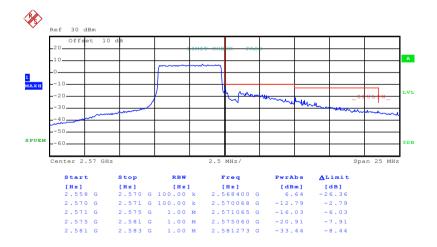




Date: 10.NOV.2015 11:45:23

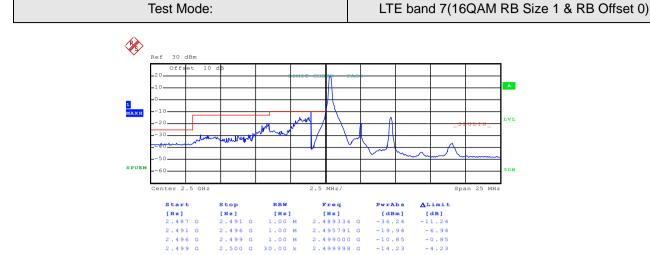
Test Mode:

### Lowest channel



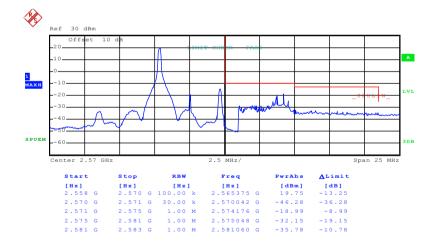
Date: 10.NOV.2015 11:51:26





Date: 10.NOV.2015 11:32:53

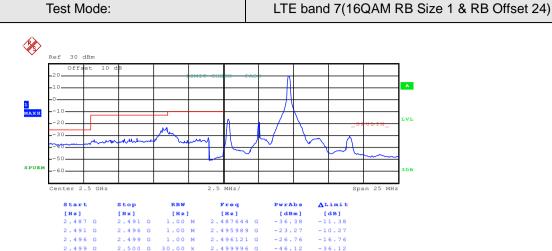
#### Lowest channel



Date: 10.NOV.2015 11:47:43

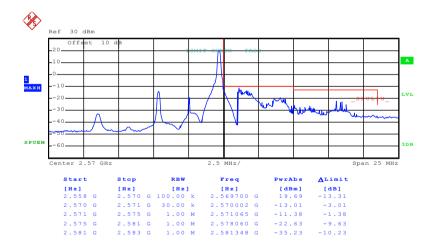
Highest channel





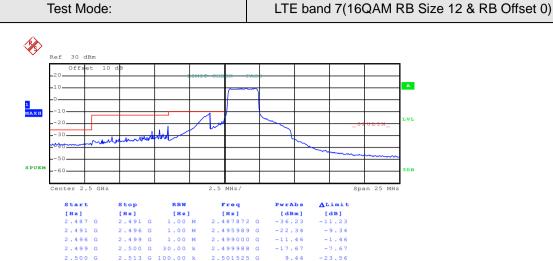
Date: 10.NOV.2015 11:33:25

### Lowest channel



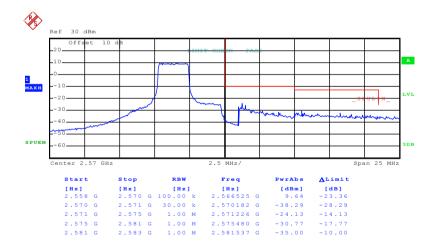
Date: 10.NOV.2015 11:48:46





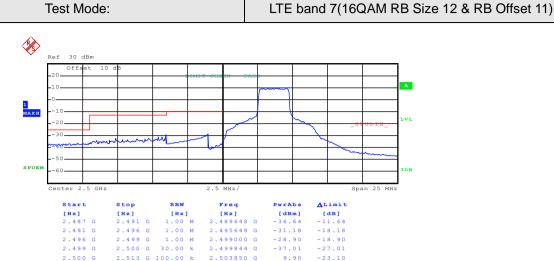
Date: 10.NOV.2015 11:43:21

### Lowest channel



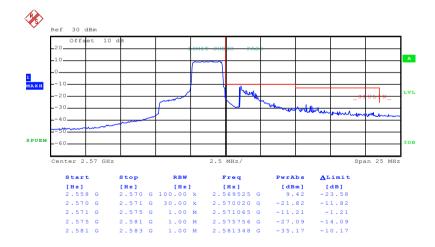
Date: 10.NOV.2015 11:49:56





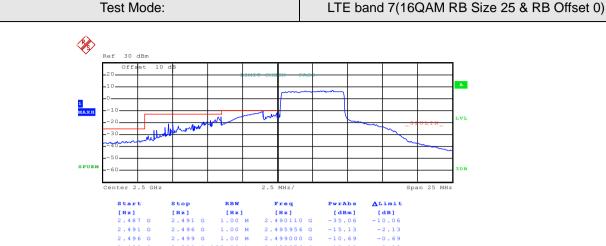
Date: 10.NOV.2015 11:43:46

### Lowest channel



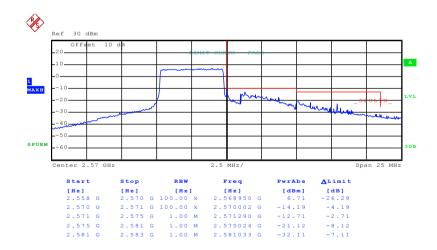
Date: 10.NOV.2015 11:50:09





Date: 10.NOV.2015 11:45:36

#### Lowest channel



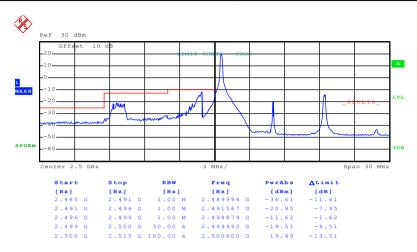
Date: 10.NOV.2015 11:51:41





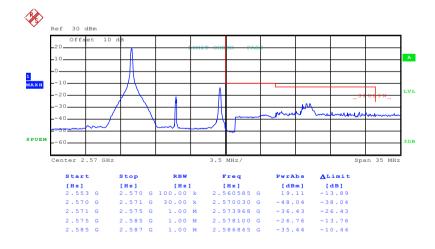
## 10MHz:

Test Mode:	LTE band 7(QPSK RB Size 1 & RB Offset 0)
	( )



Date: 10.NOV.2015 11:54:47

#### Lowest channel

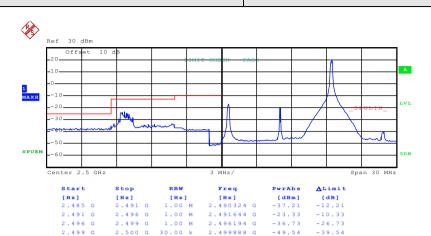


Date: 10.NOV.2015 12:13:03

Highest channel

LTE band 7(QPSK RB Size 1 & RB Offset 49)

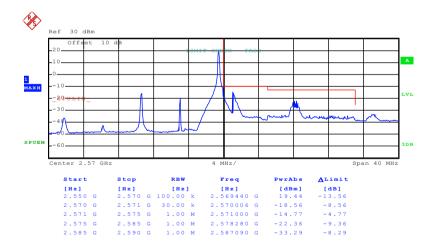




Date: 10.NOV.2015 11:56:15

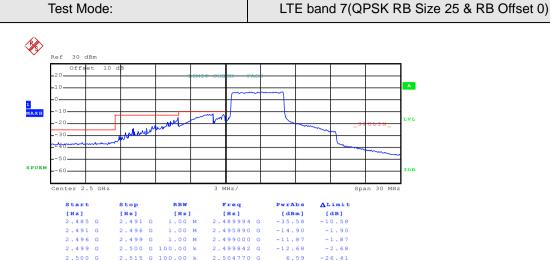
Test Mode:

### Lowest channel



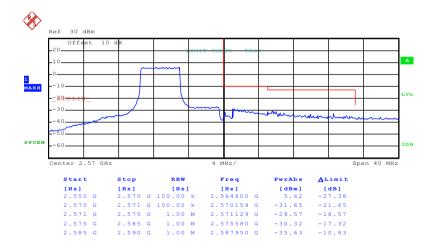
Date: 10.NOV.2015 12:15:09





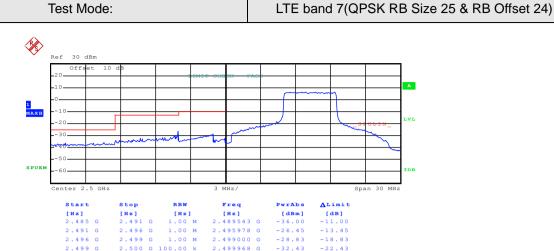
Date: 10.NOV.2015 11:57:44

### Lowest channel



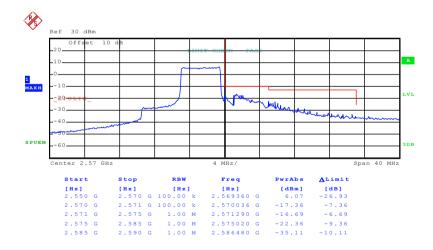
Date: 10.NOV.2015 12:16:02





Date: 10.NOV.2015 11:58:30

### Lowest channel

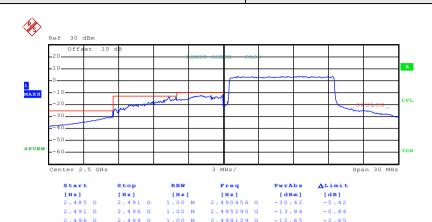


Date: 10.NOV.2015 12:16:47

Highest channel

LTE band 7(QPSK RB Size 50 & RB Offset 0)





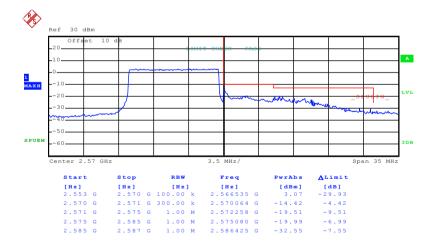
2.515 G 100.00 k

Date: 10.NOV.2015 12:04:20

Test Mode:

### Lowest channel

-29.42

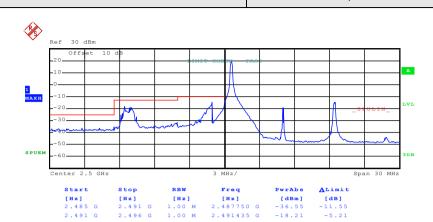


Date: 10.NOV.2015 12:12:21

Highest channel

LTE band 7(16QAM RB Size 1 & RB Offset 0)



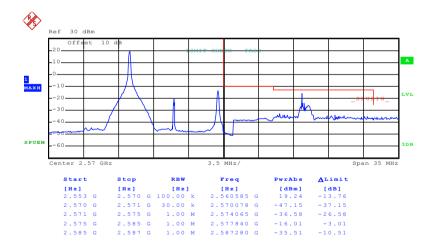


Date: 10.NOV.2015 11:55:43

Test Mode:

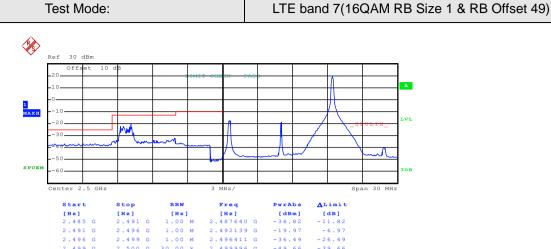
### Lowest channel

-13.80



Date: 10.NOV.2015 12:13:24

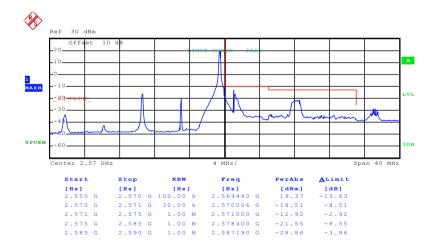




Date: 10.NOV.2015 11:56:01

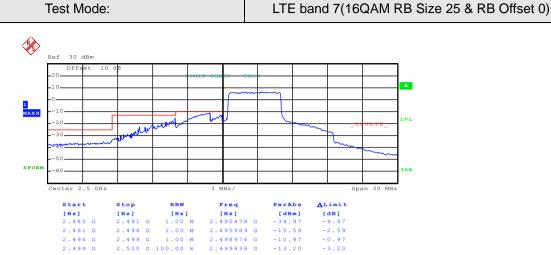
Test Mode:

### Lowest channel



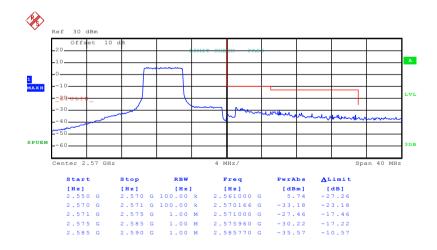
Date: 10.NOV.2015 12:14:52





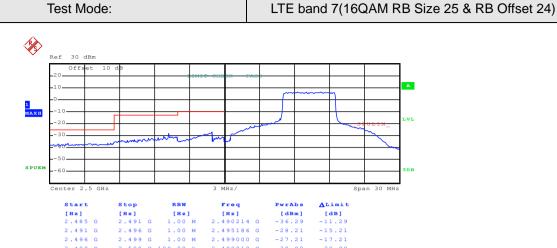
Date: 10.NOV.2015 11:58:01

### Lowest channel



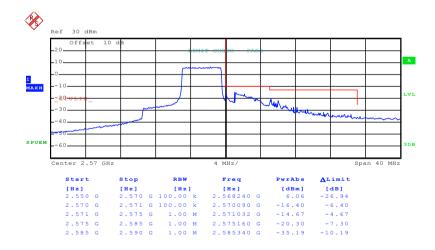
Date: 10.NOV.2015 12:16:17





Date: 10.NOV.2015 11:58:16

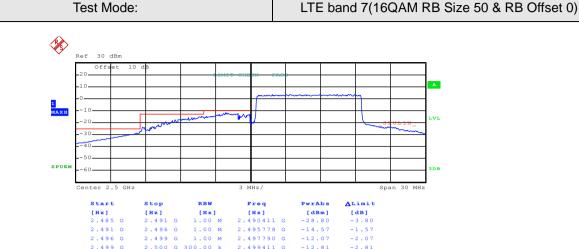
### Lowest channel



Date: 10.NOV.2015 12:16:31

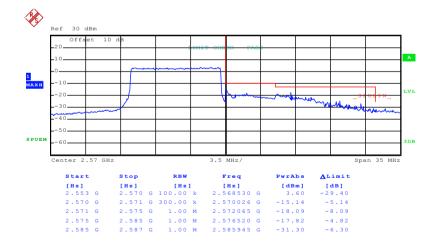
Highest channel





Date: 10.NOV.2015 12:04:38

#### Lowest channel



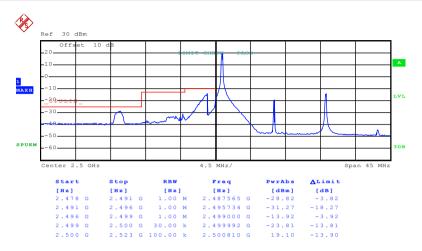
Date: 10.NOV.2015 12:12:33

Highest channel



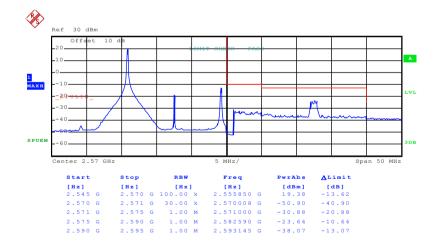


## 15MHz:



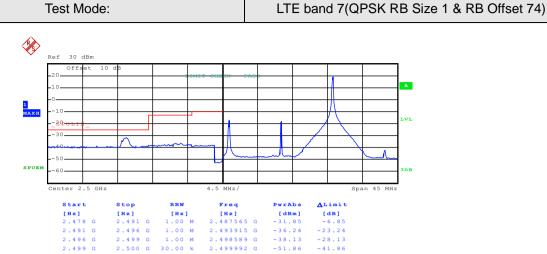
Date: 10.NOV.2015 12:20:39

#### Lowest channel



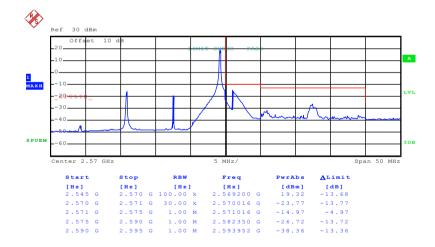
Date: 10.NOV.2015 12:44:26





Date: 10.NOV.2015 12:21:26

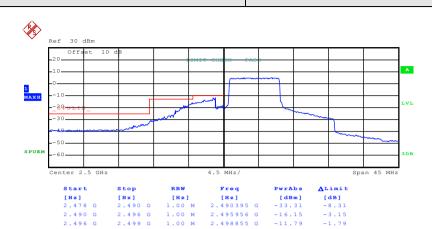
### Lowest channel



Date: 10.NOV.2015 12:48:14

LTE band 7(QPSK RB Size 36 & RB Offset 0)

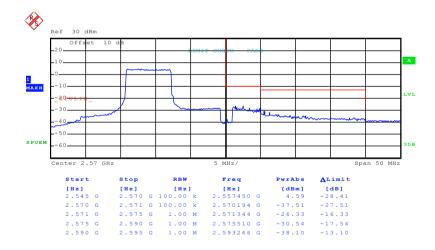




Date: 10.NOV.2015 12:33:53

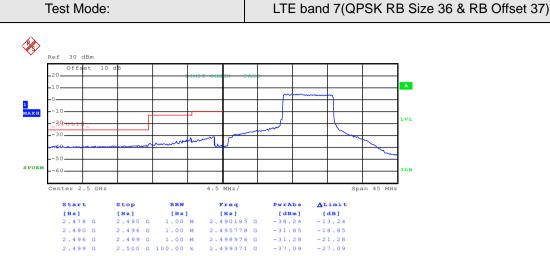
Test Mode:

### Lowest channel



Date: 10.NOV.2015 12:49:15

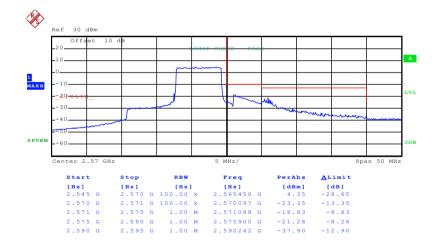




Date: 10.NOV.2015 12:34:40

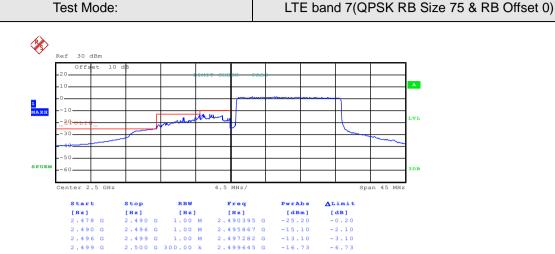
Test Mode:

### Lowest channel



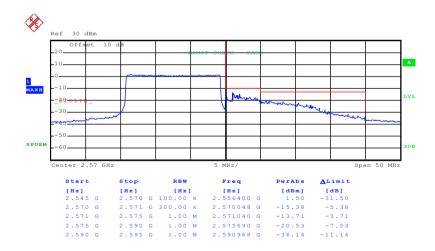
Date: 10.NOV.2015 12:50:24





Date: 10.NOV.2015 12:42:39

#### Lowest channel

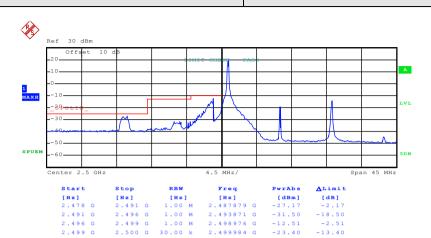


Date: 10.NOV.2015 12:51:19

Highest channel

LTE band 7(16QAM RB Size 1 & RB Offset 0)

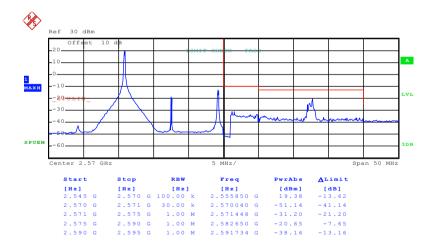




Date: 10.NOV.2015 12:20:58

Test Mode:

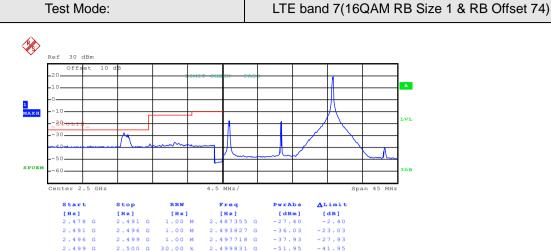
### Lowest channel



Date: 10.NOV.2015 12:46:58

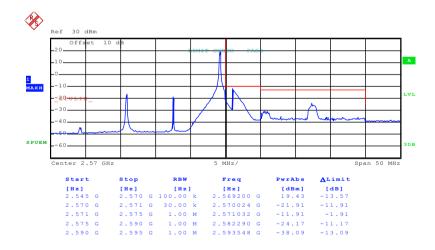
Highest channel





Date: 10.NOV.2015 12:21:13

### Lowest channel

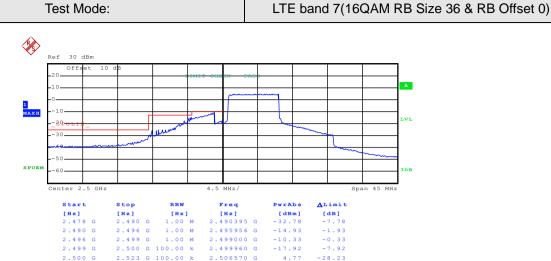


Date: 10.NOV.2015 12:48:00

Highest channel

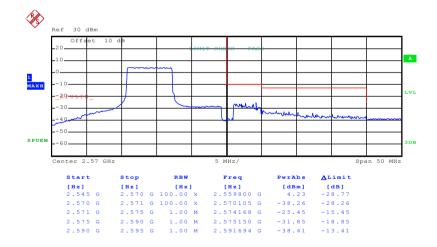
Page 243 of 315





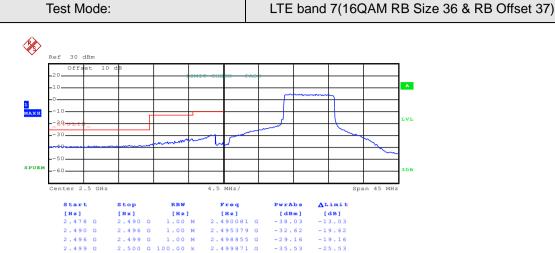
Date: 10.NOV.2015 12:34:07

### Lowest channel



Date: 10.NOV.2015 12:49:32

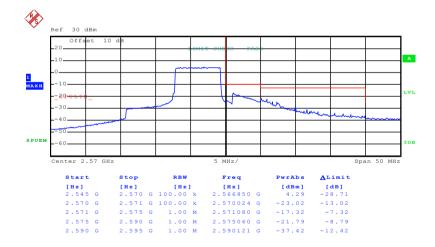




Date: 10.NOV.2015 12:34:24

Test Mode:

### Lowest channel

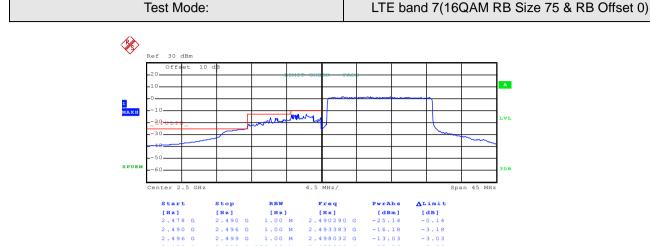


Date: 10.NOV.2015 12:50:10

Highest channel

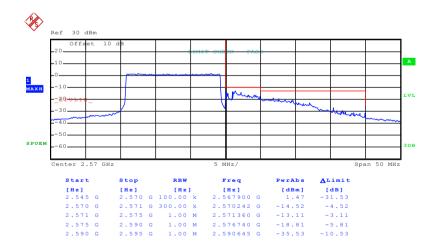
Page 245 of 315





Date: 10.NOV.2015 12:41:57

#### Lowest channel



Date: 10.NOV.2015 12:51:32

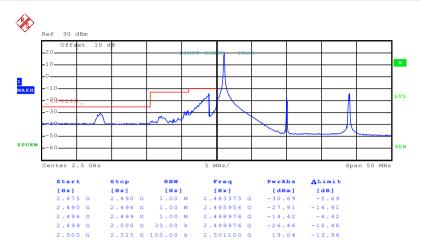
Highest channel





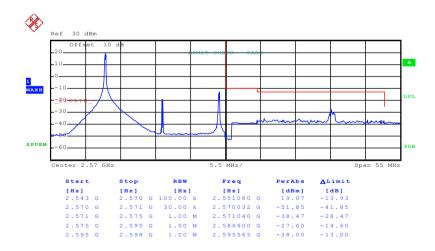
## 20MHz:

Test Mode: LTE band 7(QPSK RB Size 1 & RB Offset 0)	Test Mode:	LTE band 7(QPSK RB Size 1 & RB Offset 0)
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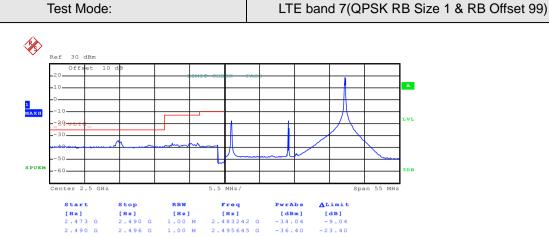
Date: 10.NOV.2015 12:53:19

#### Lowest channel



Date: 10.NOV.2015 13:09:25

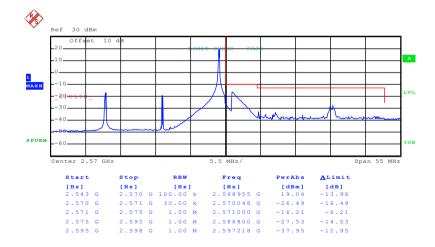




Date: 10.NOV.2015 12:54:43

Test Mode:

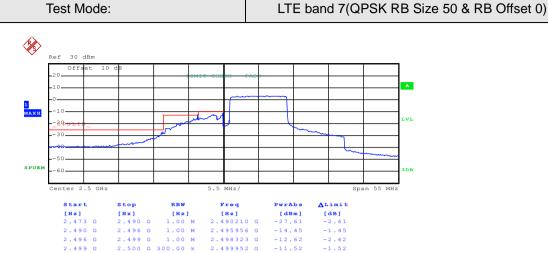
### Lowest channel



Date: 10.NOV.2015 13:10:17

Highest channel

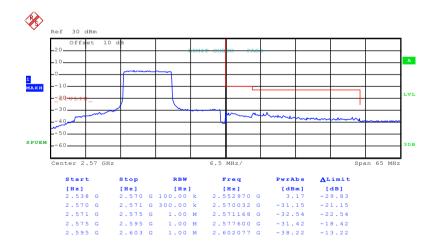




Date: 10.NOV.2015 12:55:16

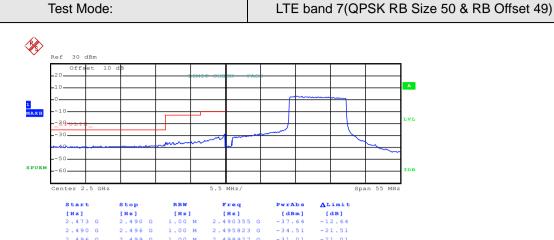
Test Mode:

# Lowest channel



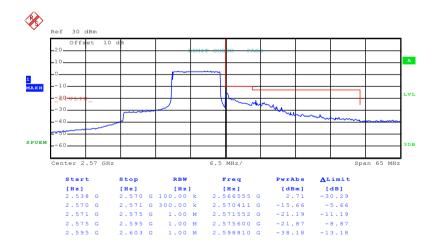
Date: 10.NOV.2015 13:11:38





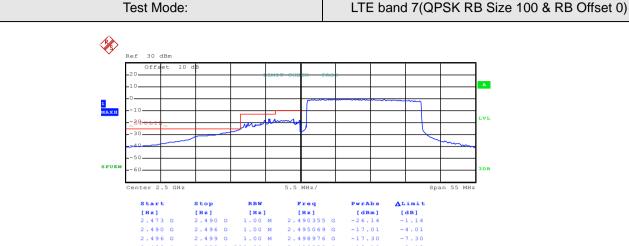
Date: 10.NOV.2015 12:55:58

# Lowest channel



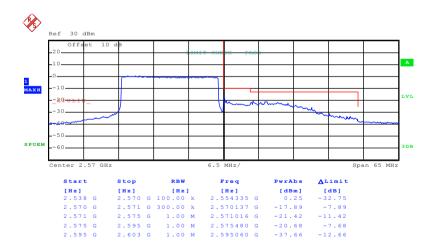
Date: 10.NOV.2015 13:12:32





Date: 10.NOV.2015 12:56:49

#### Lowest channel

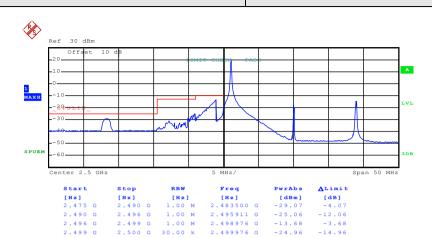


Date: 10.NOV.2015 13:14:30

Highest channel

LTE band 7(16QAM RB Size 1 & RB Offset 0)

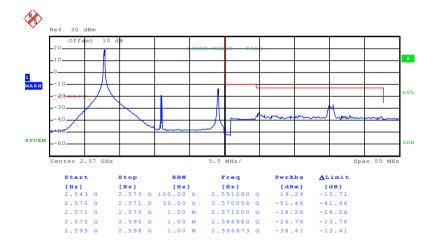




Date: 10.NOV.2015 12:53:54

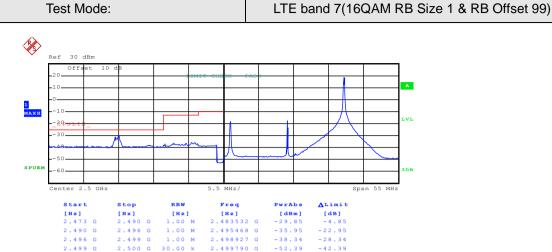
Test Mode:

# Lowest channel



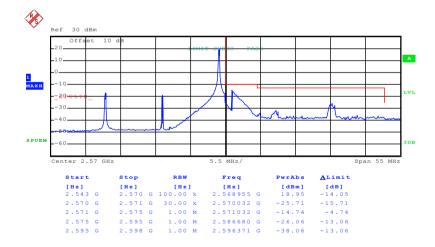
Date: 10.NOV.2015 13:09:44





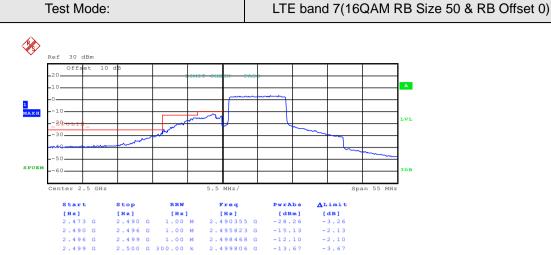
Date: 10.NOV.2015 12:54:27

# Lowest channel



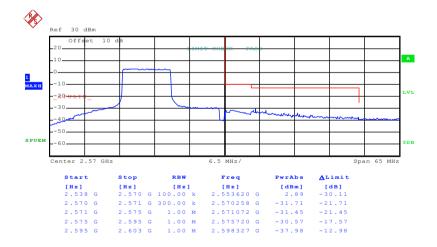
Date: 10.NOV.2015 13:10:01





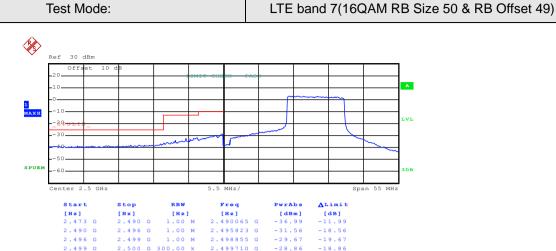
Date: 10.NOV.2015 12:55:30

# Lowest channel



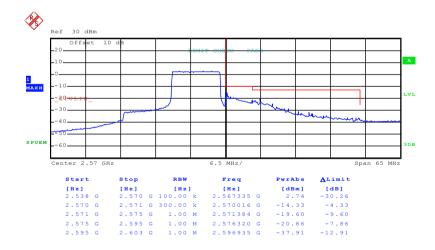
Date: 10.NOV.2015 13:11:57





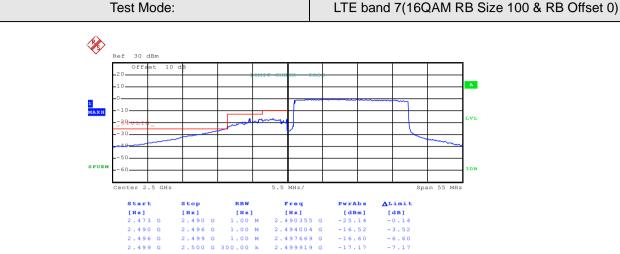
Date: 10.NOV.2015 12:55:45

# Lowest channel



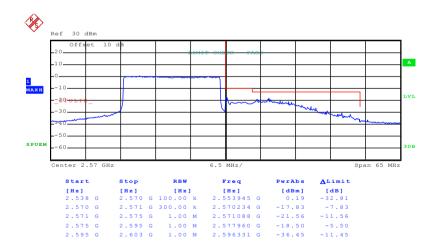
Date: 10.NOV.2015 13:12:13





Date: 10.NOV.2015 12:57:05

#### Lowest channel



Date: 10.NOV.2015 13:14:47

Highest channel

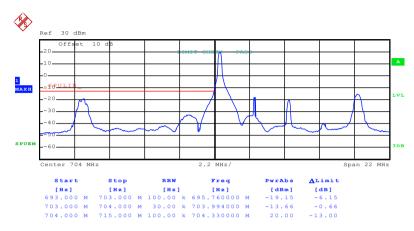




# LTE band 17 part:

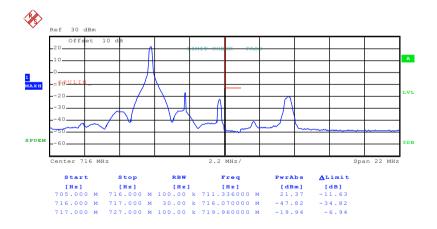
# 5MHz:

Test Mode:	LTE band 17(QPSK RB Size 1 & RB Offset 0)
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Date: 10.NOV.2015 13:22:14

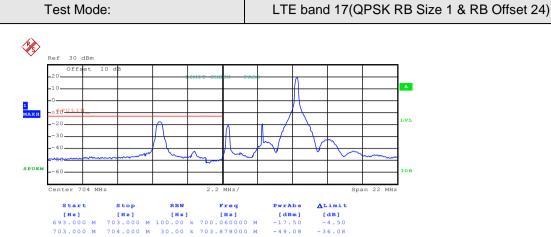
# Lowest channel



Date: 10.NOV.2015 13:27:20

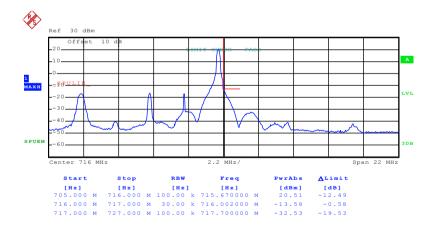
Highest channel





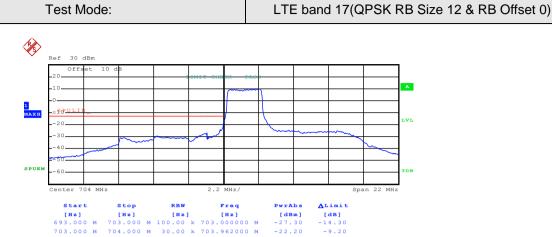
Date: 10.NOV.2015 13:22:56

# Lowest channel



Date: 10.NOV.2015 13:28:38

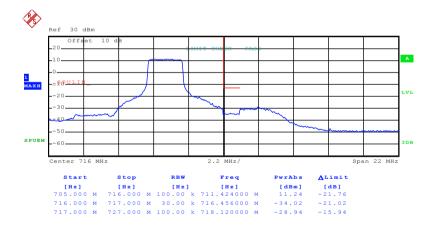




Date: 10.NOV.2015 13:23:27

Test Mode:

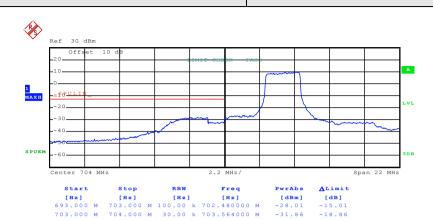
# Lowest channel



Date: 10.NOV.2015 13:29:05

LTE band 17(QPSK RB Size 12 & RB Offset 11)

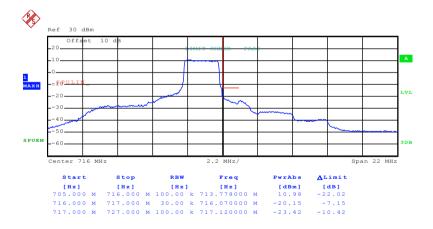




Date: 10.NOV.2015 13:24:09

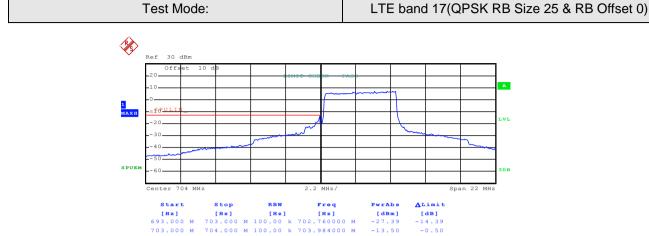
Test Mode:

# Lowest channel



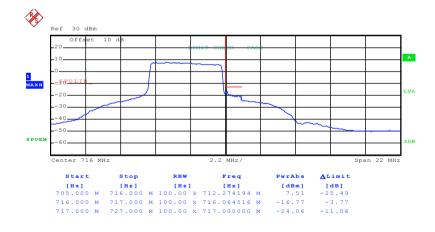
Date: 10.NOV.2015 13:29:53





Date: 10.NOV.2015 13:24:58

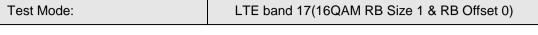
#### Lowest channel

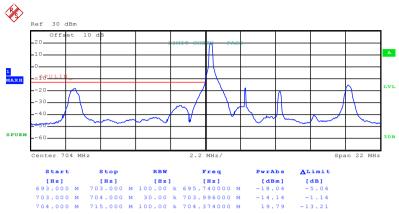


Date: 10.NOV.2015 13:30:35

Highest channel

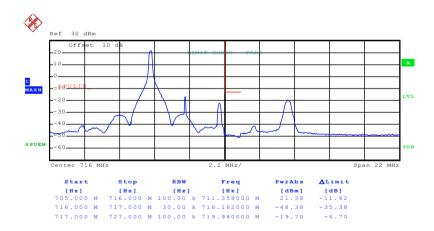






Date: 10.NOV.2015 13:22:27

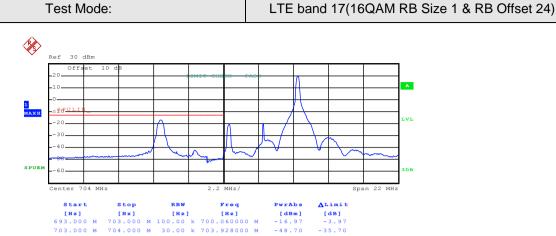
# Lowest channel



Date: 10.NOV.2015 13:28:10

Highest channel

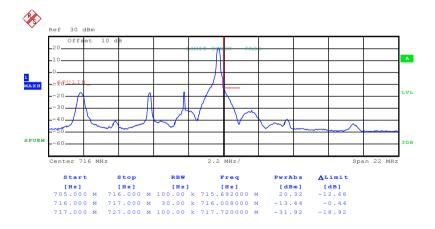




Date: 10.NOV.2015 13:22:44

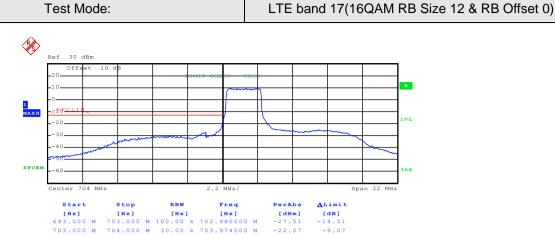
Test Mode:

# Lowest channel



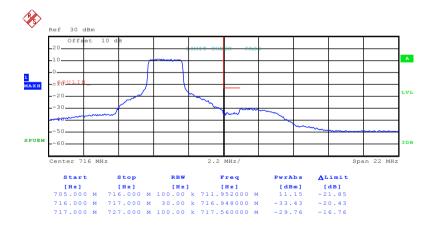
Date: 10.NOV.2015 13:28:24





Date: 10.NOV.2015 13:23:42

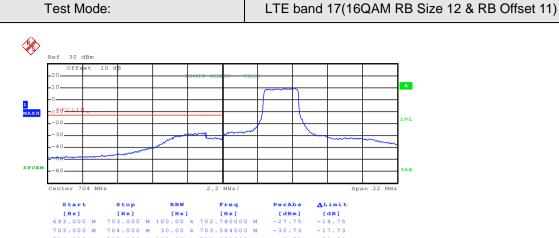
# Lowest channel



Date: 10.NOV.2015 13:29:18

Highest channel

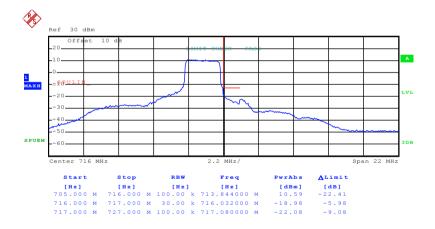




Date: 10.NOV.2015 13:23:55

Test Mode:

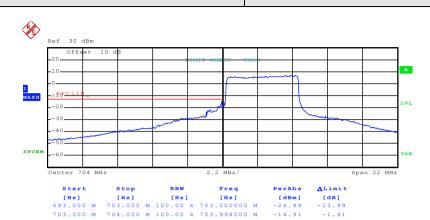
# Lowest channel



Date: 10.NOV.2015 13:29:36

LTE band 17(16QAM RB Size 25 & RB Offset 0)

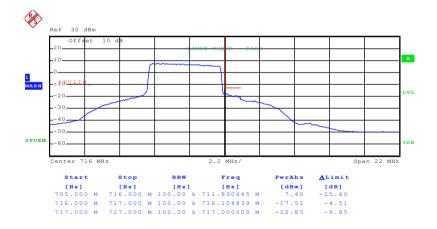




Date: 10.NOV.2015 13:25:42

Test Mode:

# Lowest channel



Date: 10.NOV.2015 13:30:51

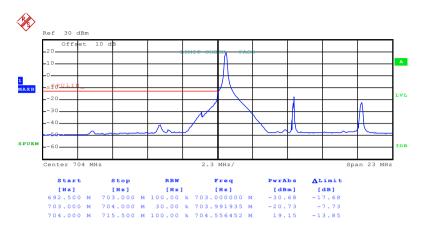
Highest channel





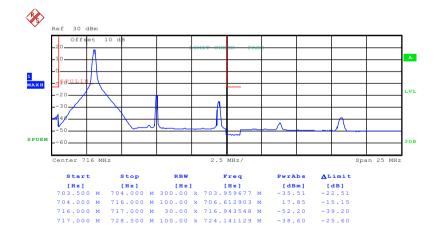
# 10MHz:

Test Mode:	LTE band 17(QPSK RB Size 1 & RB Offset 0)
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Date: 11.NOV.2015 03:11:33

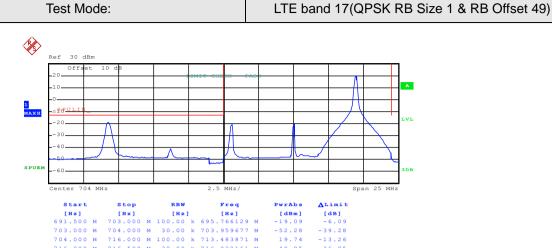
#### Lowest channel



Date: 11.NOV.2015 03:17:02

Highest channel

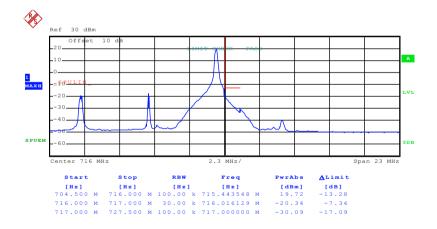




Date: 11.NOV.2015 03:13:34

Test Mode:

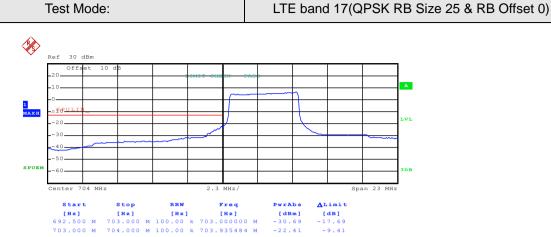
# Lowest channel



Date: 11.NOV.2015 03:18:00

Highest channel

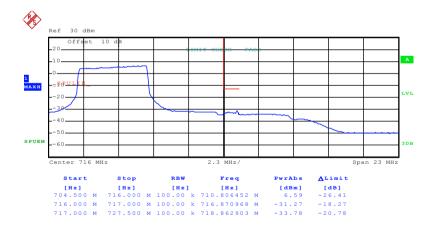




Date: 11.NOV.2015 03:14:08

Test Mode:

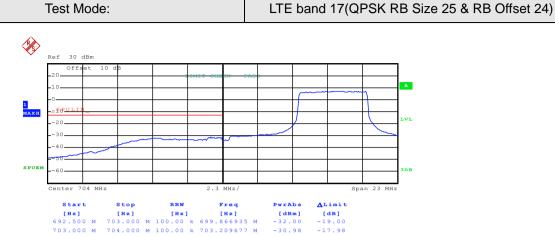
# Lowest channel



Date: 11.NOV.2015 03:18:32

Highest channel

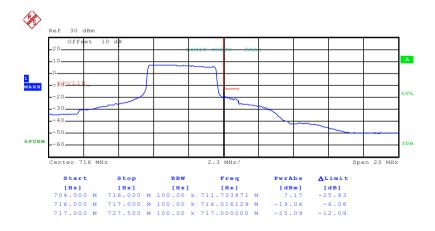




Date: 11.NOV.2015 03:15:03

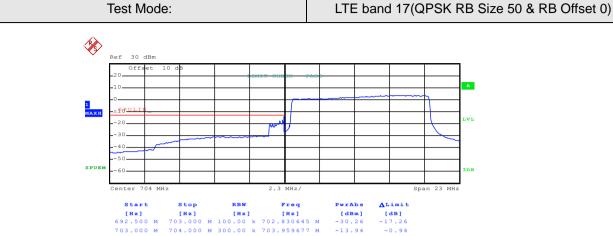
Test Mode:

# Lowest channel



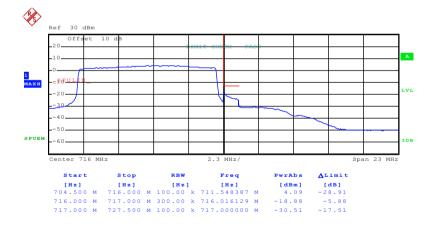
Date: 11.NOV.2015 03:19:24





Date: 11.NOV.2015 03:15:29

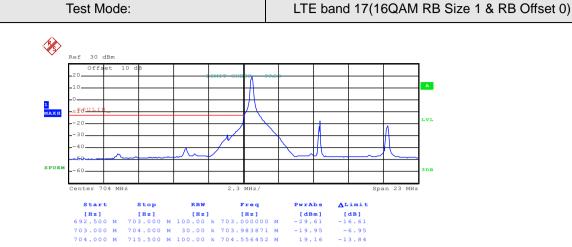
#### Lowest channel



Date: 11.NOV.2015 03:20:05

Highest channel

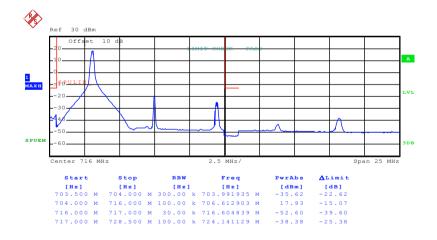




Date: 11.NOV.2015 03:11:51

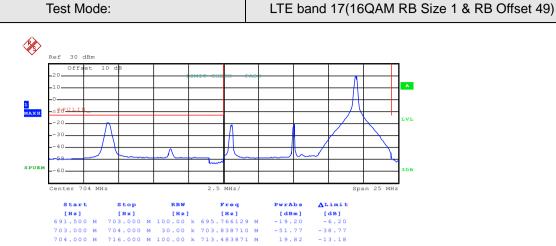
Test Mode:

# Lowest channel



Date: 11.NOV.2015 03:17:17

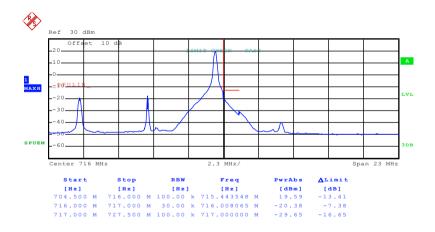




Date: 11.NOV.2015 03:13:20

Test Mode:

#### Lowest channel

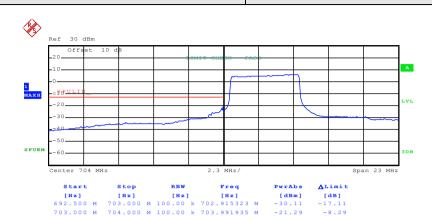


Date: 11.NOV.2015 03:17:48

Highest channel

LTE band 17(16QAM RB Size 25 & RB Offset 0)

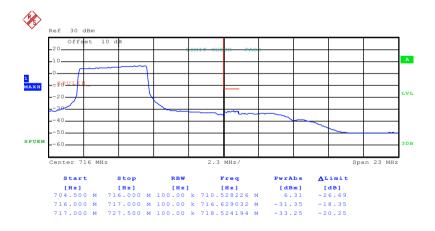




Date: 11.NOV.2015 03:14:22

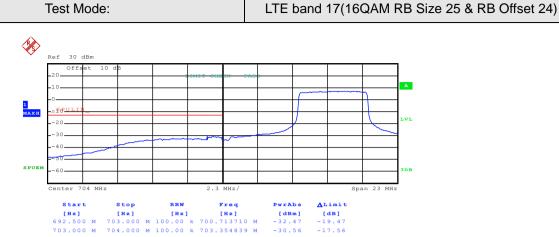
Test Mode:

# Lowest channel



Date: 11.NOV.2015 03:18:47

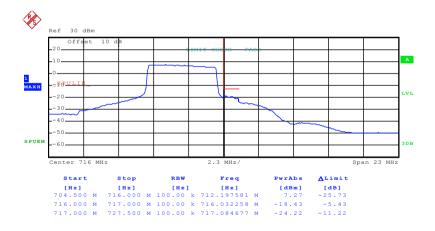




Date: 11.NOV.2015 03:14:48

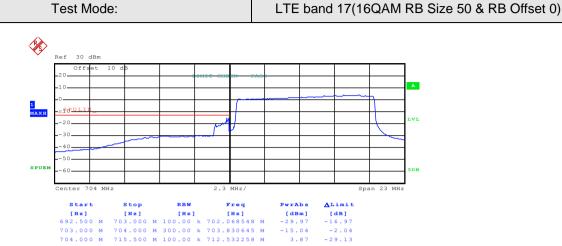
Test Mode:

# Lowest channel



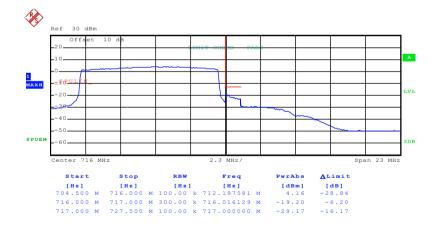
Date: 11.NOV.2015 03:19:08





Date: 11.NOV.2015 03:15:59

#### Lowest channel



Date: 11.NOV.2015 03:20:23

Highest channel





# 6.10 ERP, EIRP Measurement

0.10 ERP, EIRP Measure	
Test Requirement:	FCC part 27.50(c), part 27.50(d) and part 27.50(h)
Test Method:	FCC part 2.1046
Limit:	LTE Band 4: 1W EIRP LTE Band 7: 2W EIRP LTE Band 17: 3W EIRP
Test setup:	Below 1GHz
	Antenna Tower  Search Antenna  RF Test Receiver  Ground Plane  Above 1GHz
	Antenna Tower  Horn Antenna  Spectrum  Analyzer  Turn Table  A  A  A  A  A  A  A  A  A  A  A  A  A
	Substituted method:
	Ground plane  d: distance in meters d:3 meter  1-4 meter  S.G.  Substituted Dipole or Horn Antenna  Bi-Log Antenna or Horn Antenna





Test Procedure:	<ol> <li>The EUT was placed on an non-conductive turntable using a non- conductive support. The radiated emission at the fundamental frequency was measured at 3 m with a test antenna and EMI spectrum analyzer.</li> </ol>
	2. During the measurement, the EUT was communication with the station. The highest emission was recorded with the rotation of the turntable and the lowering of the test antenna from 4m to 1m. The reading was recorded and the field strength (E in dBuV/m) was calculated.
	3. ERP in frequency band below 1GHz were measured using a substitution method. The EUT was replaced by dipole antenna connected, the S.G. output was recorded and ERP was calculated as follows:
	ERP = S.G. output (dBm) + Antenna Gain (dBd) – Cable Loss (dB)
	4. EIRP in frequency band above 1GHz were measured using a substitution method. The EUT was replaced by or horn antenna connected, the S.G. output was recorded and EIRP was calculated as follows:
	EIRP = S.G. output (dBm) + Antenna Gain (dBi) - Cable Loss (dB)
	5. The worse case was relating to the conducted output power.
Test Instruments:	Refer to section 5.8 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

Measurement Data (worst case)





# LTE band 4 part

# Lowest channel

Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result		
	1.4MHz(RB size 1 & RB offset 0)									
1710.70	19957	QPSK	1.4	Н	V	21.03				
1710.70	19937	QFSK	1.4	П	Н	17.00	30.00	Pass		
1710.70	19957	16QAM	1.4	Н	V	20.51	30.00	Fa55		
1710.70	19931	TOQAW	1.4		Н	19.36				
		1	I.4MHz(RE	3 size 3 &	RB offset 0)					
1710 70	70 40057 0004	ODSK	1.4	1.4 H	V	20.25	30.00	Pass		
1710.70	19957	QPSK			Н	18.35				
1710.70	19957	16QAM	1.4	Н	V	19.94				
1710.70	19937	IOQAW	1.4	П	Н	19.03				
		1	I.4MHz(RE	3 size 6 &	RB offset 0)					
1710 70	10057	ODSK	4.4	ы	V	20.25				
1710.70	19957	QPSK	1.4	Н	Н	17.75	20.00	Door		
1710 70	1710 70 10057 100011	1 1	Н	V	20.03	30.00	Pass			
1710.70	19957	16QAM	1.4	П	Н	18.55				

# Middle channel

Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result	
1.4MHz(RB size 1 & RB offset 0)									
1710.70	10057	QPSK	1.1	Н	V	21.55			
1710.70	19957	QFSK	1.4	П	Н	16.62	30.00	Pass	
1710.70	19957	16QAM	1.4 H	V	19.84	30.00	F a 5 5		
1710.70	19937	IOQAW	1.4	П	Н	20.31			
		1	.4MHz(RE	3 size 3 &	RB offset 0)				
1710.70	1710.70 19957 QPSK	QPSK	K 1.4	1.4 H	V	20.18			
17 10.70	19937	QFSK		1.4	1.7	Н	18.14	30.00	Pass
1710.70	19957	16QAM	1.4	1.4 H	V	19.94	30.00	F 455	
17 10.70	19957	IOQAW	1.4		Н	18.25			
		1	.4MHz(RE	3 size 6 &	RB offset 0)				
1710 70	100E7	ODCK	1.1	Ш	V	20.26			
1710.70	19957	QPSK	1.4	1.4 H	Н	18.28	20.00	D	
1710.70	1710 70 10057 10044	1 1	Н	V	19.79	30.00	Pass		
17 10.70	19957	16QAM	1.4	17	Н	17.56			



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**Highest channel** 

Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result		
	1.4MHz(RB size 1 & RB offset 0)									
1710.70	19957	QPSK	1.4	Н	V	21.36				
1710.70	19907	QFSK	1.4	П	Н	17.15	30.00	Pass		
1710.70	19957	16QAM	1.4	Н	V	20.03		Fa55		
1710.70	19957	IOQAIVI	1.4	П	Н	19.54				
		•	1.4MHz(RE	3 size 3 & l	RB offset 0)					
1710.70	4740.70 40057 ODGK	1 1	.4 Н	V	21.13					
1710.70	19957	QPSK	1.4	1.4	П	Н	19.25	30.00	Pass	
1710.70	19957	16QAM	1.4	1.1	Н	V	19.68	30.00	Fa55	
1710.70	19937	IOQAW	1.4	П	Н	18.58				
		•	1.4MHz(RE	3 size 6 & F	RB offset 0)					
1710 70	100F7	ODSK	1.4	1.4 H	V	21.02				
1710.70	19957	QPSK	1.4		Н	19.03	20.00	Pass		
1710.70	10057	160 AM	M 4.4	4	V	19.84	30.00			
1710.70	19957	16QAM	1.4	Н	Н	17.35				

# Lowest channel

Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result	
	20MHz(RB size 1 & RB offset 0)								
1720.00	20050	ODSK	20	Ш	V	21.03			
1720.00	20050	QPSK	QPSK 20	20	20 H	Н	18.24	20.00	Door
1720.00	20050	160014	20	Н	V	21.13	30.00	Pass	
1720.00	20050	16QAM	20	П	Н	18.85			
		20MHz	(RB size 50	& RB offse	et 0)				
1720.00	720 00 200F0 ODSK	20	Н	V	21.13				
1720.00	20050	QPSK	20	20	П	Н	17.76	30.00	Pass
1720.00	20050	16O A M	20	Н	V	20.31	30.00	F a 5 5	
1720.00	20050	16QAM	20	П	Н	18.03			
		20MHz(	RB size 100	& RB offs	et 0)				
1720.00	20050	OBSK	20	Н	V	19.47			
1720.00	1720.00 20050 QPSK	QFSK		П	Н	17.38	30.00	Pass	
1720.00 20050	20050 16QAM	20	Н	V	19.81	30.00	газэ		
1720.00	20000	IOQAW	20		Н	17.95			





Middle channel

Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result	
20MHz(RB size 1 & RB offset 0)									
1732.50	20175	OBSK	20	Н	V	20.76			
1732.50	20175	QFOR 20	QPSK 20 H H	Н	17.80	20.00	Pass		
1732.50	20175	16QAM	20	Н	V	20.72	30.00	F a 5 5	
1732.50	20175	TOQAW	20	П	Н	17.85			
		20	MHz(RB siz	ze 50 & RE	3 offset 0)				
1732.50	4700 50 00475	QPSK	20	Н	V	20.32			
1732.50	20175	QF3K	20	П	Н	18.06	30.00	Pass	
1732.50	20175	16QAM	20	Н	V	20.59	30.00	F a 5 5	
1732.50	20173	IOQAW	20	П	Н	18.21			
		20	MHz(RB siz	e 100 & RI	B offset 0)				
1722.50	20175	ODSK	,	Ш	V	19.98		Dane	
1732.50	20175	QPSK	20	Н	Н	17.36	20.00		
1722.50	1732.50 20175	20175 16QAM 20	20	Н	V	19.98	30.00	Pass	
1732.50			20		Н	17.66			

High channel

Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result				
20MHz(RB size 1 & RB offset 0)												
1745.00	20300	QPSK	20	Н	V	20.38						
1745.00	20300	QFSK	20		Н	18.54	30.00	Pass				
1745.00	20200	16QAM	20	Н	V	21.13	30.00	7 Fass				
1745.00	20300	IOQAW	20	П	Н	18.47						
			20MHz(RB s	size 50 &	RB offset 0	)						
1745.00	20300 QPSK 20	20	Н	V	21.23							
1745.00	20300	QFSK	20	20	20	20	20	11	Н	18.57	30.00	Pass
1745.00	20300	16QAM	20	20	20	20	Н	V	21.45	30.00	rass	
1745.00	20300	TOQAM	20	11	Н	18.03						
		2	20MHz(RB si	ize 100 8	RB offset 0	))						
1745.00	20300	QPSK	20	Н	V	20.03						
1745.00	20300	QFSK	20	П	Н	18.52	30.00	Pass				
1745.00	20300	16QAM	20	Н	V	20.44	30.00	1 1 455				
1745.00	20300	TOQAM	20	П	Н	18.06						





# LTE band 7 part

# Lowest channel

Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result		
	5MHz(RB size 1 & RB offset 0)									
2502.50	20775	QPSK	5	Н	V	15.63				
2502.50	20113	QFSK	5		Н	11.42	33.00	Pass		
2502.50	20775	16QAM	5	5 H	V	15.26	33.00	F d 5 5		
2502.50	20113	TOQAW	5		Н	11.14				
		!	5MHz(RB	size 12 &	RB offset 0)					
2502.50	20775	ODSK	E	Н	V	15.58				
2502.50	20775	QPSK	5	5	5	Н	12.32	33.00	Pass	
2502.50	20775	16QAM	5	E	ш	н	V	14.78	33.00	F a 5 5
2502.50	20773	IOQAW	5	П	Н	11.69				
		į.	5MHz(RB	size 25 &	RB offset 0)					
2502.50	20775	ODSK	5		V	15.58				
2502.50	20775	QPSK	5	Н	Н	12.25	22.00	Door		
2502.50	500 50 00775 400414 5	5	Н	V	15.67	33.00	Pass			
2502.50	20775	16QAM	ິວ	П	Н	12.35				

# Middle channel

Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result	
5MHz(RB size 1 & RB offset 0)									
2535.00	21100	QPSK	5	Н	V	15.09			
2555.00	21100	QFSK	5	П	Н	11.09	33.00	Pass	
2535.00	21100	16QAM	5	Н	V	14.88	<b>33.00</b>	Fa55	
2555.00	21100	TOQAM	5	П	Н	12.07			
		5	MHz(RB	size 12 &	RB offset 0)				
2535.00	35.00 21100 QPSK	5	5 H	V	14.40				
2555.00	21100	QFSK	5	э   П	Н	11.44	33.00	Pass	
2535.00	21100	16QAM	E	П	V	14.59	33.00		
2555.00	21100	IOQAW	5	5 H	Н	11.74			
		5	MHz(RB	size 25 &	RB offset 0)				
2525.00	24400	ODCK	-	- 11	V	14.99			
2535.00	21100	QPSK	5	Н	Н	11.51	22.00	Doos	
2535.00	2535.00 21100 16QAM	5	11	V	14.62	33.00	Pass		
2000.00	21100	TOQAM	5	H	Н	11.34	=		



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**Highest channel** 

Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result	
5MHz(RB size 1 & RB offset 0)									
2567.50	507 50 04 405 OPOK 5	5	ш	V	16.35				
2567.50	21425	QPSK	5	Н	Н	12.05	33.00	Pass	
2567.50	21425	16O A M	5	Н	V	15.75			
2567.50	21423	16QAM	5	П	Н	12.41			
	5MHz(RB size 12 & RB offset 0)								
2567.50	2567.50 21425 QPSK	ODSK	5	Н	V	15.26	33.00	Pass	
2567.50		QFSK	5		Н	11.25			
2507.50	21425	25 16QAM	5	Н	V	15.75			
2567.50	21425				H	12.25			
	5MHz(RB size 25 & RB offset 0)								
2567.50	21425	QPSK	5	Н	V	15.69	33.00		
					Н	12.24		Pass	
2567.50	2567.50 21425 16QAM 5	16OAM		Н	V	15.27			
2567.50		П	Н	12.03					

### Lowest channel

Ereguenay III PM ELIT Antonno Limit									
Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result	
20MHz(RB size 1 & RB offset 0)									
2510.00	20050	ODCK	20	Н	V	16.38	- 33.00	Pass	
2510.00	20850	QPSK			Н	12.47			
2510.00	20850	16QAM	20	Н	V	16.58			
2510.00					Н	11.41			
	20MHz(RB size 50 & RB offset 0)								
2510.00	20850	QPSK	20	Н	V	17.02	33.00	Pass	
2510.00					Н	12.74			
2510.00	20850	16QAM	20	Н	V	16.14			
2310.00					Н	12.36			
	20MHz(RB size 100 & RB offset 0)								
2510.00	20850	QPSK	20	Н	V	16.33	33.00		
2510.00					Н	11.48		Pass	
2510.00	20850	16QAM	20	Н	V	16.71			
2310.00					Н	12.62			





Middle channel

Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result	
20MHz(RB size 1 & RB offset 0)									
2535.00	21100	QPSK	20	Н	V	17.03	33.00	Pass	
2555.00	21100	QFSN			Н	13.12			
2535.00	21100	16QAM	20	Н	V	16.85			
2555.00	21100	IOQAW	20	П	Н	12.24			
		20	MHz(RB siz	ze 50 & RE	3 offset 0)				
2535.00	21100	QPSK	20	Н	V	16.36	33.00	Pass	
2555.00					Н	11.48			
2525.00	21100	16QAM	20	Н	V	16.69			
2535.00					Н	12.41			
	20MHz(RB size 100 & RB offset 0)								
2535.00	21100	QPSK	20	Н	V	17.46	33.00	Pass	
					Н	11.47			
2535.00	21100	16QAM	20	Н	V	17.21			
					Н	12.03			

High channel

Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result	
20MHz(RB size 1 & RB offset 0)									
2560.00	21350	QPSK	20	Ш	V	17.23			
2560.00	21330	QFSK	20 H		Н	12.24	22.00	Pass	
2560.00	21250	16QAM	20	н		17.01	33.00	)   Pass	
2560.00	21350	IOQAW	20	П	Н	11.69			
		:	20MHz(RB s	size 50 &	RB offset 0	)			
2560.00	21350	QPSK	20	Н	V	16.69			
2500.00	21330	QFSK			Н	12.41	33.00	) Pass	
2560.00	21350	16QAM	20	Н	V	16.25	33.00	)   Fass	
2500.00					Н	12.34			
	20MHz(RB size 100 & RB offset 0)								
2560.00	21350	QPSK	20	Н	V	17.42			
2560.00					Н	12.36	22.00	Door	
2560.00	21350	16QAM	20	Н	V	17.12	33.00	) Pass	
					Н	11.33			



Report No: CCIS15110085004

## LTE band 17 part Lowest channel

Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
			5MHz(RE	3 size 1 &	RB offset 0)			
706.50	23755	QPSK	5	Н	V	19.24		
706.50	23733	QFSK	5	П	Н	17.25	24 77	Pass
706.50	23755	16QAM	5	I	V	19.12	34.77	Fa55
706.50	23733	IOQAW	5	П	Н	17.16		
		į.	5MHz(RB	size 12 8	RB offset 0)			
706.50	23755	QPSK	5	Н	V	16.25		
706.50	23733	QFSK	5	П	Н	15.02	34.77	Pass
706.50	23755	16QAM	5	Н	V	17.28	34.77	F 455
700.50	23755	TOQAW	5		Н	15.03		
		!	5MHz(RB	size 25 8	RB offset 0)			
706.50	23755	QPSK	5	Н	V	18.26		
700.50	23733	QF3N	J	П	Н	17.01	34.77	Pass
706.50	23755	16QAM	5	Н	V	18.25	34.77	F 455
700.50	23733	IUQAW	J	11	Н	16.37		

### Middle channel

	Middle Channel							
Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
			5MHz(RE	3 size 1 &	RB offset 0)			
710.00	23790	QPSK	5	Н	V	19.59		
710.00	23790	QFSK	5	П	Н	17.62	34.77	Pass
710.00	23790	16QAM	5	I	V	18.26	34.77	F 455
710.00	23790	TOQAM	5	П	Н	16.63		
			5MHz(RB	size 12 &	RB offset 0)			
710.00	23790	QPSK	5	Н	V	16.06		
710.00	23790	QFSK	5	П	Н	14.33	34.77	Pass
710.00	23790	16QAM	E	Н	V	17.23	34.77	F 455
710.00	23790	IOQAW	5	П	Н	14.15		
			5MHz(RB	size 25 &	RB offset 0)			
710.00	22700	OBSK	5	Н	V	18.15		
710.00	23790	QPSK	ວ	П	Н	16.92	34.77	Pass
710.00	23790	16QAM	5	Н	V	18.04	34.77	F855
7 10.00	23/90	IOQAM	5	П	Н	16.22		





**Highest channel** 

Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
			5MHz(RI	3 size 1 &	RB offset 0)			
712.50	22025	OBSK	5	Н	V	20.03		
713.50	23825	QPSK	5	П	Н	17.45	24 77	Pass
712.50	22025	160 AM	5	Н	V	19.21	34.77	F455
713.50	23825	16QAM	5	П	Н	16.69		
			5MHz(RB	size 12 &	RB offset 0)			
712.50	22025	QPSK	5	Н	V	17.12		
713.50	23825	QPSK	5	П	Н	15.21	24 77	Door
713.50	23825	16QAM	E	ы	V	17.05	34.77	Pass
713.50	23023	IOQAW	5	5 H	Н	14.56		
			5MHz(RB	size 25 &	RB offset 0)			
740.50	22025	ODCK	_	1.1	V	19.03		
713.50	23825	QPSK	5	Н	Н	16.25	04.77	Door
712.50	22025	160AM	E	Ш	V	19.31	34.77	Pass
713.50	23825	16QAM	5 H	П	Н	16.45		

#### Lowest channel

Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
			10MHz(R	B size 1 &	RB offset 0)			
709.00	23780	QPSK	10	0 H V 20.15				
709.00	23760	QFSK	10		Н	18.24	34.77	Pass
709.00	23780	16QAM	10	Н	V	20.36	34.77	Fa55
709.00	23700	IOQAW	10	П	Н	17.15		
		1	0MHz(RE	3 size 25 8	RB offset 0)			
700.00	22700	ODSK	10	Н	V	18.56		
709.00	23780	QPSK	10	П	Н	16.03	24.77	Door
709.00	23780	16QAM	10	Н	V	19.01	34.77	Pass
709.00	23700	IOQAW	10	П	Н	15.02		
		1	0MHz(RE	3 size 50 8	RB offset 0)			
700.00	22700	OBSK	10	Н	V	19.12		
709.00	23780	QPSK	10	п	Н	17.27	34.77	Pass
709.00	23780	16QAM	10	Н	V	19.14	34.77	F a 5 5
709.00	23700	IOQAW	10	11	Н	17.23		





Middle channel

Fraguency	1.0			FUIT			Limit		
Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result	
			10MHz(R	B size 1 &	RB offset 0)				
710.00	23790	QPSK	10	Н	V	21.23			
7 10.00	23790	QF5K	10		Н	19.03	34.77	Pass	
710.00	23790	16QAM	10	Н	V	21.01	34.77	F a 5 5	
7 10.00	23790	TOQAM	10		Н	18.12			
		1	I0MHz(RI	3 size 25 &	RB offset 0)				
710.00	23790	QPSK	10	Н	V	19.32			
7 10.00	23790	QF5K	10	11	Н	17.14	24 77	Door	
710.00	23790	16QAM	10	10	10 H	V	19.25	34.77	Pass
7 10.00	23790	TOQAW	10	11	Н	16.32			
		1	I0MHz(RI	3 size 50 &	RB offset 0)				
710.00	23790	QPSK	10	Н	V	20.03			
7 10.00	23790	QFSK	10	П	Н	18.15	34.77	Pass	
710.00	23790	16QAM	10	Н	V	20.11	34.77	F a 5 5	
7 10.00	23/90	IOQAW	10	17	Н	18.02			

Highest channel

	Hignest channel							
Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
			10MHz(R	B size 1 &	RB offset 0)			
711.00	23800	QPSK	10	Н	V	20.35		
711.00	23000	QFSK	10	П	Н	18.74	34.77	Pass
711.00	23800	16QAM	10	I	V	21.36	34.77	Pa55
711.00	23000	TOQAW	10	П	Н	19.62		
		1	I0MHz(RE	3 size 25 8	RB offset 0)			
711.00	23800	QPSK	10	Н	V	21.15		
711.00	23000	QFSK	10	П	Н	18.25	34.77	Pass
711.00	23800	16QAM	10	Н	V	20.03	34.77	Fa55
711.00	23000	IOQAW	10	П	Н	17.63		
		1	I0MHz(RE	3 size 50 8	RB offset 0)			
711.00	22000	ODSK	10	Н	V	21.17		
711.00	23800	QPSK	10	П	Н	19.24	34.77	Pass
711.00	23800	16QAM	10	Н	V	20.48	J4.11	F 055
711.00	23000	IUQAW	10	11	Н	18.62		



# **6.11** Field strength of spurious radiation measurement

Test Requirement:	FCC part 27.53(g), part 27.53(h) and part 27.53(m)
Test Method:	FCC part 2.1053
Limit:	LTE Band 4 and LTE Band 17: -13dBm LTE Band 7: -25dBm
Test setup:	Below 1GHz  Antenna Tower  Search Antenna  RF Test Receiver  Ground Plane  Above 1GHz
	Antenna Tower  Horn Antenna  Spectrum Analyzer  Turn Table A Amplifier
	Substituted method:  Antenna mast  Ground plane  d: distance in meters d:3 meter  I -4 meter  S.G.  Substituted Dipole or Horn Antenna  Bi-Log Antenna or Horn Antenna
Test Procedure:	<ol> <li>The EUT was placed on an non-conductive turntable using a non-conductive support. The radiated emission at the fundamental frequency was measured at 3 m with a test antenna and EMI spectrum analyzer.</li> <li>During the tests, the antenna height and the EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations.</li> <li>The frequency range up to tenth harmonic was investigated for each of three fundamental frequency (low, middle and high channels). Once spurious emission was identified, the power of the emission</li> </ol>





	<ul> <li>was determined using the substitution method.</li> <li>4. The spurious emissions attenuation was calculated as the difference between radiated power at the fundamental frequency and the spurious emissions frequency.</li> <li>ERP / EIRP = S.G. output (dBm) + Antenna Gain(dB/dBi) – Cable Loss (dB)</li> </ul>
Test Instruments:	Refer to section 5.8 for details
Test mode:	Refer to section 5.3 for details.
Test results:	Passed

### **Measurement Data (worst case)**

#### **Below 1GHz:**

The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.

#### **Above 1GHz**

For above 1 GHz, all test modes were performed, and just the worst case shown in the report.





## LTE Band 4 Part:

		LTE Band 4 Part: ze 1 & RB offset 0)	for ODSK	
	•		IOI GESK	
Frequency (MHz)	Polarization	Emission Level (dBm)	Limit (dBm)	Result
	Polatization	Lowest		
3421.40	Vertical	-33.07		
	Vertical		_	
5132.10		-33.80	_	
6842.80	V	-36.88	-13.00	Pass
3421.40	Horizontal	-35.72		
5132.10	<u>H</u>	-35.98		
6842.80	Н	-36.11		
		Middle	T	T
3465.00	Vertical	-36.03		
5197.50	V	-33.35		
6930.00	V	-38.23	-13.00	Pass
3465.00	Horizontal	-41.45	10.00	1 433
5197.50	Н	-34.78		
6930.00	Н	-36.93		
		Highest		
3508.60	Vertical	-37.87		
5262.90	V	-31.49		
7017.20	V	-33.59	12.00	Dana
3508.60	Horizontal	-41.32	-13.00	Pass
5262.90	Н	-31.46		
7017.20	Н	-36.67		
	3MHz(RB siz	e 1 & RB offset 0) f	or QPSK	
Fraguenay (MHz)	Spurious	Emission	Limit (dDm)	Docult
Frequency (MHz)	Polarization	Level (dBm)	Limit (dBm)	Result
		Lowest		
3423.00	Vertical	-34.12		
5134.50	V	-35.26		
6846.00	V	-37.14	12.00	Door
3423.00	Horizontal	-35.02	-13.00	Pass
5134.50	Н	-36.62		
6846.00	Н	-36.47	1	
		Middle		
3465.00	Vertical	-37.15		
5197.50	V	-34.52	-13.00	
6930.00	V	-39.62		
3465.00	Horizontal	-42.25		Pass
5197.50	Н	-35.57		
6930.00	Н	-37.14		
		1	<u> </u>	1





		Highest		
3507.00	Vertical	-37.15		
5260.50	V	-31.48	_	
7014.00	V	-37.75		
3507.00	Horizontal	-42.26	-13.00	Pass
5260.50	Н	-32.26		
7014.00	Н	-37.51		
		e 1 & RB offset 0) f	for QPSK	
Fraguesay (MHz)	Spurious E	Emission	Limit (dDm)	Dogult
Frequency (MHz)	Polarization	Level (dBm)	Limit (dBm)	Result
		Lowest		
3425.00	Vertical	-40.08		
5137.50	V	-36.27		
6850.00	V	-38.16	-13.00	Pass
3425.00	Horizontal	-38.02	-13.00	rass
5137.50	Н	-34.71		
6850.00	Н	-38.15		
		Middle		
3465.00	Vertical	-42.55		
5197.50	V	-35.83		
6930.00	V	-31.80	42.00	Door
3465.00	Horizontal	-41.11	-13.00	Pass
5197.50	Н	-35.91		
6930.00	Н	-35.17		
		Highest		
3505.00	Vertical	-37.74		
5257.50	V	-30.33		
7010.00	V	-30.55	40.00	Davis
3505.00	Horizontal	-44.08	-13.00	Pass
5257.50	Н	-34.56		
7010.00	Н	-38.42		
	10MHz(RB siz	e 1 & RB offset 0)	for QPSK	
Frequency (MHz)	Spurious I		Limit (dBm)	Result
Frequency (Miriz)	Polarization	Level (dBm)	Lillill (dbill)	Result
		Lowest		_
3430.00	Vertical	-38.86		
5145.00	V	-37.15		
6860.00	V	-38.96	-13.00	Pass
3430.00	Horizontal	-39.03	10.00	1 433
5145.00	Н	-35.62	-	
6860.00	Н	-35.41		





		Middle		
3465.00	Vertical	-41.25		
5197.50	V	-36.63		
6930.00	V	-32.24	40.00	Dana
3465.00	Horizontal	-42.20	-13.00	Pass
5197.50	Н	-36.69		
6930.00	Н	-36.71		
		Highest		·
3500.00	Vertical	-38.02		
5250.00	V	-31.25		
7000.00	V	-31.25	12.00	Door
3500.00	Horizontal	-42.25	-13.00	Pass
5250.00	Н	-36.65		
7000.00	Н	-37.71		
	15MHz(RB s	size 1 & RB offset 0	) for QPSK	
Frequency (MHz)		Emission	Limit (dBm)	Result
1 10quo110y (111112)	Polarization	Level (dBm)	Limit (dBin)	rtooun
	T	Lowest	T	1
3435.00	Vertical	-41.26		
5152.50	V	-37.85	_	
6870.00	V	-37.15	-13.00	Pass
3435.00	Horizontal	-38.71	_	
5152.50	Н	-36.61		
6870.00	Н	-39.14		
	ı	Middle		
3465.00	Vertical	-41.25		
5197.50	V	-36.60		
6930.00	V	-32.25	-13.00	Pass
3465.00	Horizontal	-42.03		
5197.50	Н	-36.62		
6930.00	Н	-36.54		
		Highest		
3495.00	Vertical	-37.92		
5242.50	V	-32.25		
6990.00	V	-31.15	-13.00	Pass
3495.00	Horizontal	-43.25		
5242.50	Н	-35.62	_	
6990.00	Н	-37.05		





	20MHz(RB si	ize 1 & RB offset 0)	for QPSK	
Frequency (MHz)	Spurious	<u>-</u> _	Limit (dBm)	Result
Frequency (MHZ)	Polarization	Level (dBm)	LIIIIII (UDIII)	Resuit
		Lowest		
3440.00	Vertical	-42.02		
5160.00	V	-38.32		
6880.00	V	-38.15	42.00	Dana
3440.00	Horizontal	-39.03	-13.00	Pass
5160.00	Н	-37.51		
6880.00	Н	-28.25		
		Middle		
3465.00	Vertical	-38.48		Pass
5197.50	V	-34.78		
6930.00	V	-36.93	40.00	
3465.00	Horizontal	-42.42	-13.00	
5197.50	Н	-42.83		
6930.00	Н	-38.96		
		Highest		
3490.00	Vertical	-37.85		
5235.00	V	-35.69		
6980.00	V	-37.15	-13.00	Dana
3490.00	Horizontal	-41.16		Pass
5235.00	Н	-41.26		
6980.00	Н	-39.62		



Report No: CCIS15110085004

## LTE Band 7 Part:

		LIE Band / Part:			
	•	ze 1 & RB offset 0) for	or QPSK	1	
Frequency (MHz)		Spurious Emission		Result	
1 requeries (Wil 12)	Polarization	Level (dBm)	Limit (dBm)	resuit	
		Lowest			
5005.00	Vertical	-45.28			
7507.50	V	-30.50			
10010.00	V	-34.15	25.00	Dese	
5005.00			-25.00	Pass	
7507.50	Н	-35.00			
10010.00	Н	-33.26			
		Middle			
5070.00	Vertical	-45.28			
7605.00	V	-29.05		Davis	
10140.00	V	-35.24	05.00		
5070.00	Horizontal	-46.36	-25.00	Pass	
7605.00	Н	-33.00			
10140.00	Н	-34.17			
		Highest			
5135.00	Vertical	-46.36			
7702.50	V	-32.50			
10270.00	V	-34.47	25.00	Dana	
5135.00	Horizontal	-45.58	-25.00	Pass	
7702.50	Н	-33.00			
10270.00	Н	-35.71			





	10MHz(RB si	ze 1 & RB offset 0) f	or QPSK		
Frequency (MHz)	Spurious		Limit (dBm)	Result	
Frequency (MF12)	Polarization	Level (dBm)	Limit (ubin)	Result	
		Lowest			
5010.00	Vertical	-46.25			
7515.00	V	-32.25			
10020.00	V	-35.02	-25.00	Pass	
5010.00	Horizontal	-45.58	-25.00	Pass	
7515.00	Н	-31.25			
10020.00	Н	H -33.25			
<u> </u>		Middle			
5070.00	Vertical	-44.15		Pass	
7605.00	V	-33.41			
10140.00	V	-34.26	05.00		
5070.00	Horizontal	-46.62	-25.00		
7605.00	Н	-32.25			
10140.00	Н	-34.61			
<u> </u>		Highest			
5130.00	Vertical	-45.62			
7695.00	V	-33.41			
10260.00	V	-34.85	25.00	Door	
5130.00	Horizontal	-45.02	-25.00	Pass	
7695.00	Н	-31.16			
10260.00	Н	-34.04			





	15MHz(RB	size 1 & RB offset (	)) for QPSK	
Frequency (MHz)		s Emission	Limit (dBm)	Result
riequency (Minz)	Polarization	Level (dBm)	Lillill (dbill)	Result
		Lowest		
5015.00	Vertical	-45.12		
7522.50	V	-32.25		
10030.00	V	-34.26	25.00	Door
5015.00			-25.00	Pass
7522.50	Н	-33.62		
10030.00	Н	-35.01		
		Middle		
5070.00	Vertical	-45.15		Pass
7605.00	V	-31.25		
10140.00	V	-32.25	25.00	
5070.00	Horizontal	-46.36	-25.00	
7605.00	Н	-33.01		
10140.00	Н	-34.74		
		Highest	<u>.</u>	
5125.00	Vertical	-45.25		
7687.50	V	-33.36		
10250.00	V -35.41		25.00	Door
5125.00	Horizontal	-46.32	-25.00	Pass
7687.50	Н	-32.24		
10250.00	Н	-34.48		





	20MHz(RB si	ize 1 & RB offset 0)	for QPSK		
Frequency (MHz)	Spurious	Emission	Limit (dBm)	Pocult	
Frequency (Miriz)	Polarization	Level (dBm)	Limit (dbin)	Result	
		Lowest			
5020.00	Vertical	-46.25			
7530.00	V	-31.15			
10040.00	V	-36.02	-25.00	Pass	
5020.00	Horizontal	-46.52	-25.00	Pass	
7530.00	Н	-32.25			
10040.00	Н	-34.02			
		Middle			
5070.00	Vertical	-45.58		Pass	
7605.00	V	-32.41	05.00		
10140.00	V	-33.26			
5070.00	Horizontal	-45.51	-25.00		
7605.00	Н	-33.47			
10140.00	Н	-34.62			
		Highest			
5120.00	Vertical	-46.26			
7680.00	V	-33.52			
10240.00	V	-34.78	05.00	D	
5120.00	Horizontal	-45.21	-25.00	Pass	
7680.00	Н	-32.05			
10240.00	Н	-34.15			



Report No: CCIS15110085004

#### LTE Band 17 Part:

		TE Band 17 Part:				
	The state of the s	e 1 & RB offset 0) fo	or QPSK			
Frequency (MHz)		Emission	Limit (dBm)	Result		
r requericy (Wir 12)	Polarization	Level (dBm)	Lilliit (dDill)	Nesuit		
Lowest						
1413.00	Vertical	-51.34				
2119.50	V	-44.10				
2826.00	V	-48.87	-13.00	Pass		
1413.00	Horizontal	-52.59	-13.00	Pass		
2119.50	Н	-35.53				
2826.00	Н	-36.19				
		Middle				
1420.00	Vertical	-46.05				
2130.00	V	-44.94				
2840.00	V	-38.37	-13.00	Pass		
1420.00	Horizontal	-52.39	-13.00	Pass		
2130.00	Н	-43.41				
2840.00	Н	-40.60				
		Highest				
1427.00	Vertical	-41.25				
2140.50	V	-45.54				
2854.00	V	-33.07	-13.00	Pass		
1427.00	Horizontal	-48.10	-13.00	Fa55		
2140.50	Н	-46.80				
2854.00	Н	-36.19				





	10MHz(RB siz	e 1 & RB offset 0) fo	or QPSK				
Fraguera (MII-)	Spurious	Emission	Lineit (dDne)	Dooult			
Frequency (MHz)	Polarization	Level (dBm)	Limit (dBm)	Result			
		Lowest					
1418.00	Vertical	-52.03					
2127.00	V	-45.16					
2836.00	V	-47.12	-13.00	Pass			
1418.00	Horizontal	-50.23	-13.00	Pass			
2127.00	Н	-36.61					
2836.00	Н	-35.57					
	Middle						
1420.00	Vertical	-45.57		Pass			
2130.00	V	-46.63					
2840.00	V	-37.79	-13.00				
1420.00	Horizontal	-53.25	-13.00	F ass			
2130.00	Н	-43.26					
2840.00	Н	-42.27					
		Highest	_				
1422.00	Vertical	-42.51					
2133.00	V	-42.28					
2844.00	V	-35.62	-13.00	Pass			
1422.00	Horizontal	-47.85	-13.00	Fass			
2133.00	Н	-47.66					
2844.00	Н	-37.02					





## 6.12 Frequency stability V.S. Temperature measurement

Test Requirement:	FCC Part 2.1055(a)(1)(b)
Test Method:	FCC Part 2.1055(a)(1)(b)
Limit:	±2.5 ppm
Test setup:	Temperature Chamber  Spectrum analyzer EUT
	Variable Power Supply  Note: Measurement setup for testing on Antenna connector
Test procedure:	<ol> <li>The equipment under test was connected to an external DC power supply and input rated voltage.</li> <li>RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators.</li> <li>The EUT was placed inside the temperature chamber.</li> <li>Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 25°C operating frequency as reference frequency.</li> <li>Turn EUT off and set the chamber temperature to −30°C. After the temperature stabilized for approximately 30 minutes recorded the frequency.</li> <li>Repeat step measure with 10°C increased per stage until the highest temperature of +50°C reached</li> </ol>
Test Instruments:	Refer to section 5.8 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed
Remark:	All three channels of all modulations have been tested, but only the worst channel and the worst modulation show in this test item.

Measurement Data (the worst channel):





## LTE Band 4(QPSK):

	,	LIE Dallu			N. 41 1
Reference Fr	equency: LTE Band	4(1.4MHz) N	Middle channel=20175	channel=1732.50	OMHz
Power supplied	Temperature (°C)	Fr	equency error	Limit (ppm)	Result
(Vdc)	remperature ( c)	Hz	ppm	Limit (ppin)	Nesuit
	-30	132	0.076190		
	-20	104	0.060029		
	-10	125	0.072150		
	0	195	0.112554		
3.80	10	103	0.059452	±2.5	Pass
0.00	20	107	0.061760		1 400
	30	130	0.075036		
	40	136	0.078499	1	
	50	148	0.085426		
Poforonco E			iddle channel=20175 d	hannal_1722 50	N/I⊔→
	requericy. LTL barro				IVII 12
Power supplied	Temperature (°C)		equency error	Limit (ppm)	Result
(Vdc)		Hz	ppm	, ,	
	-30	162	0.093506		
	-20	163	0.094084	_	
	-10	145	0.083694		
	0	176	0.101587		
3.80	10	175	0.101010	±2.5	Pass
	20	150	0.086580		
	30	157	0.090620		
	40	156	0.090043		
	50	125	0.072150		
Reference F	requency: LTE Band	4(5MHz) M	iddle channel=20175 d	channel=1732.50	MHz
Power supplied (Vdc)	Temperature (°C)	Fr	equency error	Limit (ppm)	Result
Power Supplied (VdC)	remperature (C)	Hz	ppm	Limit (ppm)	Result
	-30	138	0.079654		
	-20	133	0.076768		
	-10	135	0.077922	4	
3.80	0	126	0.072727		_
	10	148	0.085426	±2.5	Pass
	20 30	145 126	0.083694	-	
	40	126	0.072727 0.079654	-	
	50	109	0.079654	-	
	30	109	0.002313		





Reference Fi	equency: LTE Band	4(10MHz) M	/liddle channel=20175	channel=1732.50	)MHz
D	Frequency error		Limit (mmm)	Daguit	
Power supplied (Vdc)	Temperature (°C)	Hz	ppm	Limit (ppm)	Result
	-30	107	0.061760		
	-20	129	0.074459		
	-10	125	0.072150		
	0	136	0.078499		
3.80	10	148	0.085426	±2.5	Pass
	20	149	0.086003		
	30	108	0.062338		
	40	118	0.068110		
	50	136	0.078499		
Reference F	requency: LTE Band	4(15MHz) N	Middle channel=20175	channel=1732.5	0MHz
Power supplied (Vdc)	Temperature (°C)		equency error	Limit (ppm)	Danult
1 ower supplied (vdc)	remperatore ( e)	Hz	ppm	Еши (ррш)	Result
	-30	124	0.071573		Pass
	-20	129	0.074459		
	-10	124	0.071573		
	0	156	0.090043		
3.80	10	158	0.091198	±2.5	
	20	149	0.086003		
	30	108	0.062338	7	
	40	119	0.068687	1	
	50	132	0.076190		
Reference F	requency: LTE Band	4(20MHz) N	Middle channel=20175	channel=1732.5	0MHz
Dower aupplied (\/de)	Temperature (°C)	Fre	equency error	cy error	
Power supplied (Vdc)	remperature (C)	Hz	ppm	Limit (ppm)	Result
	-30	139	0.080231		
	-20	162	0.093506		
	-10	115	0.066378		
	0	109	0.062915		
3.80	10	106	0.061183	±2.5	Pass
	20	108	0.062338		. 400
	30	129	0.074459		
	40	130	0.075036		
	50	137	0.079076	7	





## LTE Band 4(16QAM):

Deference C		4/1 4MU=)	,	channal 1722 F	
Kererence F	requency: LTE Band	<u> </u>	Middle channel=20175	channel=1732.5	UIVIHZ
Power supplied (Vdc)	Temperature (°C)		requency error	Limit (ppm)	Result
i owei supplied (vdc)	' '	Hz	ppm	( -   /)	Meanit
	-30	109	0.062915	=	
	-20	120	0.069264		
	-10	128	0.073882		
	0	139	0.080231		
3.80	10	105	0.060606	±2.5	Pass
	20	148	0.085426		
	30	167	0.096392	=	
	40	105	0.060606	-	
	50	126	0.072727		
Reference I	Frequency: LTE Band	1 4(3MHz) N	/liddle channel=20175 o	channel=1732.50	MHz
11010101001	- 100.00,1 = 1 = Dank			1702.00	
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
1 Ower Supplied (Vdc)	. ,	Hz	ppm	(11 /	Result
	-30	106	0.061183		Pass
	-20	120	0.069264		
	-10	125	0.072150		
	0	134	0.077345		
3.80	10	136	0.078499	±2.5	
0.00	20	146	0.084271		
	30	142	0.081962		
	40	145	0.083694		
	50	106	0.061183	<b>-</b>	
Reference F	requency: LTE Band	4(5MHz) M	iddle channel=20175 c	hannel=1732.50	MHz
5 " 10/1)	T (%)	Fr	Frequency error		
Power supplied (Vdc)	Temperature (°C)	Hz	ppm	Limit (ppm)	Result
	-30	128	0.073882		
	-20	129	0.074459		
	-10	128	0.073882		
3.80	0	136	0.078499		
	10	132	0.076190	±2.5	Pass
	20	145	0.083694	_	
	30	107	0.061760	-	
	40	105	0.060606	4	
	50	119	0.068687		





Dower cups lied (\/-l-\)	Tomporeture (°C)		equency error	Limit (name)	Daguit
Power supplied (Vdc)	Temperature (°C)	Hz	ppm	Limit (ppm)	Result
	-30	132	0.076190		
	-20	136	0.078499		
	-10	108	0.062338		
	0	100	0.057720		
3.80	10	125	0.072150	±2.5	Pass
	20	126	0.072727		
	30	135	0.077922		
	40	153	0.088312		
	50	142	0.081962		
	requency: LTE Band	, ,		channel=1732.50	MHz
Power supplied	Temperature (°C)		equency error	Limit (ppm)	Result
(Vdc)	` '	Hz	ppm	(pp)	
	-30	117	0.067532		Pass
	-20	122	0.070418		
	-10	155	0.089466		
	0	140	0.080808		
3.80	10	145	0.083694	±2.5	
	20	106	0.061183		
	30	128	0.073882		
	40	125	0.072150		
	50	109	0.062915		
Reference Fr	requency: LTE Band	4(20MHz) M	iddle channel=20175	channel=1732.50	MHz
Power supplied	Temperature (°ℂ)	Fre	equency error		
(Vdc)	remperature (C)	Hz	ppm	Limit (ppm)	Result
	-30	106	0.061183		
	-20	108	0.062338		
	-10	120	0.069264		
	0	129	0.074459		
3.80	10	128	0.073882	±2.5	Pass
	20	147	0.084848	±2.5	Fa88
	30	139	0.080231		
	40	138	0.079654		
	<b>+</b> ()	130	ひしけ かいこみ	1	





LTE Band 7(QPSK):

LTE Band 7(QPSK):  Reference Frequency: LTE Band 7(5MHz) Middle channel=21100 Frequency=2535.00MHz						
	requency: LTE Band 7			equency=2535.0(	)MHz	
Power supplied	Temperature (°C)		equency error	Limit (ppm)	Result	
(Vdc)		Hz	ppm	сини (ррии)	Resuit	
	-30	102	0.040237			
	-20	176	0.069428			
	-10	168	0.066272			
	0	103	0.040631			
3.80	10	150	0.059172	±2.5	Pass	
	20	145	0.057199		1 455	
	30	166	0.065483	-		
	40	145	0.057199	1		
	50	106	0.041815	-		
Poforonco Er			ddle channel=21100 Fr		OMH-	
Power supplied	equency. LTL band r	'	equency error		OIVII IZ	
(Vdc)	Temperature (°C)	Hz	ppm	Limit (ppm)	Result	
( v d o )	-30	163	0.064300	,		
	-20			-		
		157	0.061933	-		
	-10	154	0.060750	-		
	0	145	0.057199			
3.80	10	138	0.054438	±2.5	Pass	
	20	128	0.050493			
	30	129	0.050888			
	40	126	0.049704			
	50	155	0.061144			
Reference Fr	equency: LTE Band 7	(15MHz) Mi	ddle channel=21100 Fr	equency=2535.0	0MHz	
Power supplied	Temperature (°C)		equency error	Limit (ppm)	Result	
(Vdc)		Hz	ppm	Еппі (рріп)	resuit	
	-30	142	0.056016			
	-20	145	0.057199	_		
	-10	130	0.051282			
0.00	0	123	0.048521	0.5	D	
3.80	10	127	0.050099	±2.5	Pass	
	20 30	106 128	0.041815 0.050493	-		
	40	135	0.053254			
	50	139	0.054832	-		
Reference Fr			ddle channel=21100 Fr		OMH <sub>7</sub>	
Power supplied	T.	· ,	equency error		OWN IZ	
(Vdc)	Temperature (°C)	Hz	ppm	Limit (ppm)	Result	
( • 00)	-30	175	0.069034			
	-20	169	0.066667	1		
	-10	107	0.042209	1		
	0	128	0.050493	1		
3.80	10	165	0.065089	±2.5	Pass	
	20	129	0.050888	]		
	30	105	0.041420	]		
	40	107	0.042209	]		
	50	126	0.049704			





LTE Band 7(16QAM):

LTE Band 7(16QAM):  Reference Frequency: LTE Band 7(5MHz) Middle channel=21100 Frequency=2535.00MHz						
	equency: LTE Band	/(5MHZ) Mic	idle channel=21100 F	requency=2535.00	JMHZ	
Power supplied	Temperature (°C)	Fr	Frequency error		Dogul <del>t</del>	
(Vdc)	(0)	Hz	ppm	Limit (ppm)	Result	
	-30	105	0.041420			
	-20	129	0.050888			
	-10	133	0.052465			
	0	138	0.054438			
3.80	10	105	0.041420	±2.5	Pass	
0.00	20	127	0.050099	±2.5	Fa55	
	30	125	0.049310			
	40	109	0.042998	-		
	50	103	0.042398			
Potoronco Er			ddle channel=21100 F	Froguency-2535 0		
	equency. LTE band 7			Tequency=2555.0	OIVITIZ	
Power supplied	Temperature (°C)		equency error	Limit (ppm)	Result	
(Vdc)		Hz	ppm	Еши (ррш)	resuit	
	-30	166	0.065483			
	-20	125	0.049310			
	-10	129	0.050888			
	0	138	0.054438			
3.80	10	136	0.053649	±2.5	Pass	
	20	138	0.054438		1 433	
	30	145	0.057199			
	40	146	0.057594			
	50	150	0.059172			
Reference Fro			ddle channel=21100 F	requency=2535.0	0MHz	
Power supplied			equency error			
(Vdc)	Temperature (°C)	Hz	ppm	Limit (ppm)	Result	
, ,	-30	117	0.046154			
	-20	139	0.054832			
	-10	128	0.050493			
	0	176	0.069428			
3.80	10	165	0.065089	2.5	Pass	
	20	125	0.049310			
	30	126	0.049704			
	40	118	0.046548			
Deference Fo	50	106	0.041815		ON 41 I -	
		1	ddle channel=21100 F	requency=2535.0	UIVIHZ	
Power supplied (Vdc)	Temperature (°C)	Hz	equency error ppm	Limit (ppm)	Result	
(vuc)	-30	105	0.041420			
	-20	108	0.042604			
	-10	119	0.046943	╡		
	0	128	0.050493	7		
3.80	10	129	0.050888	2.5	Pass	
	20	119	0.046943			
	30	109	0.042998			
	40	125	0.049310			
	50	129	0.050888			





LTE Band 17(QPSK):

Reference Frequency: LTE Band 17(5MHz) Middle channel=23790 channel=710.00MHz						
Power supplied	Temperature (°ℂ)	Fr	equency error		Result	
(Vdc)	remperature (C)	Hz	ppm	Limit (ppm)		
	-30	152	0.214085			
	-20	128	0.180282			
	-10	133	0.187324			
	0	115	0.161972			
3.80	10	122	0.171831	±2.5	Pass	
	20	109	0.153521			
	30	108	0.152113			
	40	105	0.147887			
	50	119	0.167605			
Reference F	requency: LTE Band	17(10MHz)	Middle channel=23790	channel=710.00	MHz	
Power supplied	Temperature (°C)	Fr	equency error		5 "	
(Vdc)	remperature (C)	Hz	ppm	Limit (ppm)	Result	
	-30	129	0.181690			
	-20	139	0.195775			
	-10	146	0.205634			
	0	127	0.178873			
3.80	10	108	0.152113	±2.5	Pass	
	20	139	0.195775			
	30	118	0.166197			
	40	108	0.152113			
	50	129	0.181690	1		

LTE Band 17(16QAM):

Reference Frequency: LTE Band 17(16QAM):  Reference Frequency: LTE Band 17(5MHz) Middle channel=23790 channel=710.00MHz						
	requency: LTE Band			cnannei=710.00 I	VIHZ	
Power supplied	Temperature (°C)	Frequency error		Limit (nnm)	Result	
(Vdc)	, ,	Hz	ppm	Limit (ppm)	Nesuit	
	-30	155	0.218310			
	-20	105	0.147887			
	-10	139	0.195775			
	0	120	0.169014			
3.80	10	119	0.167606	±2.5	Pass	
1	20	136	0.191549			
	30	109	0.153521	- - -		
	40	108	0.152113			
	50	105	0.147887			
Reference F	requency: LTE Band	17(10MHz)	Middle channel=23790	channel=710.00	MHz	
Power supplied	Temperature (°ℂ)	Frequency error		Limit (nnm)	Dogult	
(Vdc)	(0)	Hz	ppm	Limit (ppm)	Result	
	-30	109	0.153521			
	-20	116	0.163380			
	-10	148	0.208451			
	0	139	0.195775			
3.80	10	125	0.176056	±2.5	Pass	
	20	113	0.159155	12.0		
	30	119	0.167606			
	40	128	0.180282			
	50	129	0.181690	1		





# 6.13 Frequency stability V.S. Voltage measurement

Test Requirement:	FCC Part 2.1055(d)(1)(2)				
Test Method:	FCC Part 2.1055(d)(1)(2)				
Limit:	2.5ppm				
Test setup:	Spectrum analyzer  EUT  Att.  Variable Power Supply				
Test procedure:	<ol> <li>Note: Measurement setup for testing on Antenna connector</li> <li>Set chamber temperature to 25°C. Use a variable DC power source to power the EUT and set the voltage to rated voltage.</li> <li>Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and recorded the frequency.</li> <li>Reduce the input voltage to specify extreme voltage variation (+/-15%) and endpoint, record the maximum frequency change.</li> </ol>				
Test Instruments:	Refer to section 5.8 for details				
Test mode:	Refer to section 5.3 for details, and all channels have been tested, only shows the worst channel data in this report.				
Test results:	Passed				

Measurement Data (the worst channel):





### LTE Band 4(QPSK):

		LIE Band 4(Q	•				
Reference Fi	requency: LTE Band	4(1.4MHz) Middle	channel=20175	channel=1732.50	)MHz		
Temperature (℃)	Power supplied	Frequer	ncy error	Limit (ppm)	Result		
Temperature ( c)	(Vdc)	Hz	ppm	Еппі (рріп)	Nesuit		
	4.25	79	0.045599				
25	3.70	85	0.049062	±2.5	Pass		
	3.40	99	0.057143				
Reference Frequency: LTE Band 4(3MHz) Middle channel=20175 channel=1732.50MHz							
Tamparatura (°C)	Power supplied	Frequer	ncy error		D !!		
Temperature $(^{\circ}\mathbb{C})$	(Vdc)	Hz	ppm	Limit (ppm)	Result		
	4.25	58	0.033478				
25	3.70	65	0.037518	±2.5	Pass		
	3.40	65	0.037518				
Reference F	requency: LTE Band	d 4(5MHz) Middle	channel=20175 c	hannel=1732.50l	ИНz		
	Power supplied	Frequer	ncy error				
Temperature (℃)	(Vdc)	Hz	ppm	Limit (ppm)	Result		
	4.25	93	0.053680				
25	3.70	89	0.051371	±2.5	Pass		
	3.40	85	0.049062				
Reference F	requency: LTE Band	4(10MHz) Middle	channel=20175	channel=1732.50	MHz		
	Power supplied	Frequency error					
Temperature (℃)	(Vdc)	Hz	ppm	Limit (ppm)	Result		
	4.25	80	0.046176				
25	3.70	79	0.045599	±2.5	Pass		
	3.40	75	0.043290	1	. 400		
Reference F	requency: LTE Band	4(15MHz) Middle	channel=20175	channel=1732.50	MHz		
	Power supplied		ncy error				
Temperature (℃)	(Vdc)	Hz	ppm	Limit (ppm)	Result		
	4.25	65	0.037518				
25	3.70	63	0.036364	±2.5	Pass		
	3.40	93	0.053680				
Reference F	requency: LTE Band			channel=1732.50	MHz		
	Power supplied	,	ncy error				
Temperature (°C)	(Vdc)	Hz	ppm	Limit (ppm)	Result		
	4.25	85	0.049062				
25	3.70	99	0.057143	±2.5	Pass		
	3.40	89	0.051371	<u></u>	1 000		
	0.40	- 55		1			





LTE Band 4(16QAM):

		LTE Band 4(16	QAWI):		
Reference F	requency: LTE Band	4(1.4MHz) Middle	channel=20175	channel=1732.50	MHz
Tomporatura (°C)	Power supplied	Frequer	ncy error	limit (n.n.n.)	Result
Temperature (℃)	(Vdc)	Hz	ppm	Limit (ppm)	
	4.25	69	0.039827		
25	3.70	86	0.049639	±2.5	Pass
	3.40	85	0.049062		
Reference I	requency: LTE Band	I 4(3MHz) Middle	channel=20175 c	channel=1732.50M	1Hz
- (00)	Power supplied	Frequer	ncy error		
Temperature (℃)	(Vdc)	Hz	ppm	Limit (ppm)	Result
	4.25	52	0.030014		
25	3.70	96	0.055411	±2.5	Pass
	3.40	93	0.053680	1	
Reference I	Frequency: LTE Band	I 4(5MHz) Middle	channel=20175 d	channel=1732.50M	1Hz
	Power supplied	,	ncy error		
Temperature (℃)	(Vdc)	Hz	ppm	Limit (ppm)	Result
	4.25	85	0.049062		
25	3.70	63	0.036364	±2.5	Pass
	3.40	72	0.041558		
Reference F	requency: LTE Band	4(10MHz) Middle	channel=20175	channel=1732.50	ИHz
	Power supplied	Frequency error			
Temperature (℃)	(Vdc)	Hz	ppm	Limit (ppm)	Result
	4.25	56	0.032323		
25	3.70	94	0.054257	±2.5	Pass
	3.40	85	0.049062		1 033
Reference F	requency: LTE Band		channel=20175	channel=1732.50	
	Power supplied		ncy error		····-
Temperature $(^{\circ}\mathbb{C})$				Limit (ppm)	Result
remperature (C)	(Vdc)	Hz		Limit (ppm)	Result
remperature (C)	(Vdc) 4.25	Hz 85	ppm	Limit (ppm)	Result
	4.25	85	ppm 0.049062	_	
1 emperature (°C)	4.25 3.70	85 93	ppm 0.049062 0.053680	±2.5	Pass
25	4.25 3.70 3.40	85 93 72	ppm 0.049062 0.053680 0.041558	±2.5	Pass
25 Reference F	4.25 3.70 3.40 requency: LTE Band	85 93 72 4(20MHz) Middle	ppm 0.049062 0.053680 0.041558 channel=20175	±2.5 channel=1732.50	Pass MHz
25	4.25 3.70 3.40  requency: LTE Band Power supplied	85 93 72 4(20MHz) Middle Frequer	ppm 0.049062 0.053680 0.041558 channel=20175	±2.5	Pass
25 Reference F	4.25 3.70 3.40  requency: LTE Band Power supplied (Vdc)	85 93 72 4(20MHz) Middle Frequer Hz	ppm 0.049062 0.053680 0.041558 channel=20175 acy error ppm	±2.5 channel=1732.50	Pass MHz
25 Reference F	4.25 3.70 3.40  requency: LTE Band Power supplied	85 93 72 4(20MHz) Middle Frequer	ppm 0.049062 0.053680 0.041558 channel=20175	±2.5 channel=1732.50	Pass MHz





LTE Band 7(QPSK):

Reference Frequency: LTE Band 7(5MHz) Middle channel=21100 Frequency=2535.0MHz           Temperature (°C)         Power supplied (Vdc)         Frequency error Hz         Limit (ppm)         Result           25         3.70         99         0.033531         ±2.5         Pass           3.40         86         0.033925         ±2.5         Pass           Reference Frequency: LTE Band 7(10MHz) Middle channel=21100 Frequency=2535.0MHz         Temperature (°C)         Power supplied (Vdc)         Frequency error Hz         Limit (ppm)         Result           4.25         95         0.037475         ±2.5         Pass           3.70         63         0.024852         ±2.5         Pass           Temperature (°C)         Power supplied (Vdc)         Frequency error         Limit (ppm)         Result           4.25         85         0.033531         ±2.5         Pass           4.25         85         0.033531         ±2.5         Pass           5         3.70         78         0.033531         ±2.5         Pass           4.25         85         0.033531         ±2.5         Pass           3.70         78         0.030769         ±2.5         Pass           3.40         <			LIE Band /(Q	PSK):		
A	Reference Fr	equency: LTE Band	7(5MHz) Middle c	hannel=21100 Fr	equency=2535.0	0MHz
1	Tomporature (°C)	Power supplied	Freque	ncy error	Limit (nnm)	Popult
25   3.70   99   0.039053   ±2.5   Pass	remperature (C)	(Vdc)	Hz	ppm	Limit (ppm)	Result
Reference Frequency: LTE Band 7(10MHz) Middle channel=21100 Frequency=2535.00MHz   Temperature (°C)		4.25	85	0.033531		
Reference Frequency: LTE Band 7(10MHz) Middle channel=21100 Frequency=2535.00MHz   Temperature (°C)	25	3.70	99	0.039053	±2.5	Pass
Temperature (℃)         Power supplied (Vdc)         Frequency error (Vdc)         Limit (ppm)         Result           25         4.25         95         0.037475         ±2.5         Pass           3.40         74         0.029191         ±2.5         Pass           Temperature (℃)         Power supplied (Vdc)         Frequency error (Vdc)         Limit (ppm)         Result           25         3.70         78         0.033531         ±2.5         Pass           3.40         96         0.037870         ±2.5         Pass           Reference Frequency: LTE Band 7(20MHz) Middle channel=21100 Frequency=2535.00MHz         Temperature (℃)         Power supplied (Vdc)         Frequency error (Vdc)         Limit (ppm)         Result           4.25         110         0.043393         ±2.5         Pass           4.25         3.70         88         0.034714         ±2.5         Pass		3.40	86	0.033925		
A	Reference Fre	equency: LTE Band 7	(10MHz) Middle	channel=21100 F	requency=2535.0	00MHz
1.25   95   0.037475   2.5	Tomporoture (°C)	Power supplied	Freque	ncy error	Limit (nnm) Dagud	
25   3.70   63   0.024852   ±2.5   Pass	remperature (C)	(Vdc)	Hz	ppm	Limit (ppm)	Result
Reference Frequency: LTE Band 7(15MHz) Middle channel=21100 Frequency=2535.00MHz   Temperature (°C)		4.25	95	0.037475		
Reference Frequency: LTE Band 7(15MHz) Middle channel=21100 Frequency=2535.00MHz   Temperature (°C)	25	3.70	63	0.024852	±2.5	Pass
Temperature (℃)         Power supplied (Vdc)         Frequency error Hz         Limit (ppm)         Result           25         4.25         85         0.033531         42.5         Pass           3.40         96         0.037870         ±2.5         Pass           Reference Frequency: LTE Band 7(20MHz) Middle channel=21100 Frequency=2535.00MHz           Temperature (℃)         Power supplied (Vdc)         Frequency error Hz         Limit (ppm)         Result           4.25         110         0.043393         25         Pass           25         3.70         88         0.034714         ±2.5         Pass		3.40	74	0.029191		
Comperature   Compensature   Compe	Reference Fre	equency: LTE Band 7	7(15MHz) Middle	channel=21100 F	requency=2535.0	00MHz
1.25   85   0.033531   25   3.70   78   0.030769   ±2.5   Pass	Tomporature (°C)	Power supplied	Freque	ency error		Recult
25 3.70 78 0.030769 ±2.5 Pass  3.40 96 0.037870  Reference Frequency: LTE Band 7(20MHz) Middle channel=21100 Frequency=2535.00MHz  Temperature (°C) Power supplied (Vdc) Hz ppm 4.25 110 0.043393 25 3.70 88 0.034714 ±2.5 Pass		(Vdc)	Hz	ppm	Limit (ppm)	Resuit
3.40   96   0.037870		4.25	85	0.033531		
Reference Frequency: LTE Band 7(20MHz) Middle channel=21100 Frequency=2535.00MHz           Temperature (℃)         Power supplied (Vdc)         Frequency error Hz         Limit (ppm)         Result           4.25         110         0.043393         25         25         25         Pass	25	3.70	78	0.030769	±2.5	Pass
Temperature (℃)         Power supplied (Vdc)         Frequency error Hz         Limit (ppm)         Result           4.25         110         0.043393         ±2.5         Pass           25         3.70         88         0.034714         ±2.5         Pass		3.40	96	0.037870		
Column   C	Reference Fre	equency: LTE Band 7	(20MHz) Middle	channel=21100 F	requency=2535.0	00MHz
(Vdc) Hz ppm 4.25 110 0.043393 25 3.70 88 0.034714 ±2.5 Pass	Temperature (°C)	Power supplied	Frequei	ncy error	Limit (nnm)	Recult
25 3.70 88 0.034714 ±2.5 Pass		(Vdc)	Hz	ppm	Limit (ppin)	Result
3		4.25	110	0.043393		
3.40 96 0.037870	25	3.70	88	0.034714	±2.5	Pass
		3.40	96	0.037870		





LTE Band 7(16QAM):

Reference Frequency: LTE Band 7(5MHz) Middle channel=21100 F	requency=2535.0	
	10440110) 200010	0MHz
Temperature (°C)  Power supplied  Frequency error	Limit (nnm)	Dogult
(Vdc) Hz ppm	Limit (ppm)	Result
4.25 82 0.032347		
25 3.70 62 0.024458	±2.5	Pass
3.40 63 0.024852		
Reference Frequency: LTE Band 7(10MHz) Middle channel=21100 F	requency=2535.0	00MHz
Temperature (°C) Power supplied Frequency error	Limit (nnm)	Result
Temperature (°C) (Vdc) Hz ppm	Limit (ppm)	Result
4.25 45 0.017751		
25 3.70 49 0.019329	±2.5	Pass
3.40 75 0.029586		
Reference Frequency: LTE Band 7(15MHz) Middle channel=21100 F	requency=2535.0	00MHz
Temperature (°C) Power supplied Frequency error	Limit (nnm)	Result
(Vdc) Hz ppm	Limit (ppm)	Result
4.25 95 0.037475		
25 3.70 96 0.037870	±2.5	Pass
3.40 55 0.021696		
Reference Frequency: LTE Band 7(20MHz) Middle channel=21100 F	requency=2535.0	00MHz
Temperature (°C) Power supplied Frequency error	Limit (ppm)	Result
(Vdc) Hz ppm	Limit (ppm)	Nesult
4.25 63 0.024852		
4.25     63     0.024852       25     3.70     83     0.032742	±2.5	Pass





## LTE Band 17(QPSK):

Reference Frequency: LTE Band 17(5MHz) Middle channel=23790 channel=710.00MHz							
Temperature (°C)	Power supplied		Frequency error Limit (ppi		Result		
	(Vdc)	Hz	ppm	(pp)			
	4.25	56	0.078873				
25	3.70	85	0.119718	±2.5	Pass		
	3.40	72	0.101408				
Reference F	Reference Frequency: LTE Band 17(10MHz) Middle channel=23790 channel=710.00MHz						
Temperature (℃)	Power supplied	Freque	ncy error	Limit (ppm)	Result		
remperature (C)	(Vdc)	Hz	ppm	сини (ррии)	Result		
	4.25	93	0.130986				
25	3.70	88	0.123944	±2.5	Pass		
	3.40	89	0.125352				

## LTE Band 17(16QAM):

LTE Band 17(16QAM):							
Reference Frequency: LTE Band 17(5MHz) Middle channel=23790 channel=710.00MHz							
Temperature (°C)	Power supplied		Frequency error Limit (ppr		Result		
Tomporataro (e)	(Vdc)	Hz	ppm	Σ (ββ)	rtoodit		
	4.25	72	0.101408				
25	3.70	62	0.087324	±2.5	Pass		
	3.40	89	0.125352				
Reference F	requency: LTE Band	17(10MHz) Midd	le channel=23790	channel=710.00	MHz		
Temperature (°C)	Power supplied	Freque	ncy error	Limit (nnm)	Result		
remperature (C)	(Vdc)	Hz	ppm	Limit (ppm)	Result		
	4.25	79	0.111268				
25	3.70	75	0.105634	±2.5	Pass		
	3.40	95	0.133803				